

## Product datasheet for **SC216927**

### Prostaglandin dehydrogenase 1 (HPGD) (NM\_001145816) Human 3' UTR Clone

#### Product data:

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|---------------------------|------------------------------------------------------------------------|
| Product Type:             | 3' UTR Clones                                                          |
| Product Name:             | Prostaglandin dehydrogenase 1 (HPGD) (NM_001145816) Human 3' UTR Clone |
| Symbol:                   | Prostaglandin dehydrogenase 1                                          |
| Synonyms:                 | 15-PGDH; PGDH; PGDH1; PHOAR1; SDR36C1                                  |
| Mammalian Cell Selection: | Neomycin                                                               |
| Vector:                   | pMirTarget (PS100062)                                                  |
| ACCN:                     | NM_001145816                                                           |
| Insert Size:              | 1911 bp                                                                |



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| <b>Insert Sequence:</b>   | <p>&gt;SC216927 3'UTR clone of NM_001145816</p> <p>The sequence shown below is from the reference sequence of NM_001145816. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <p>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG<br/> TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC<br/> GATTGCCAATGGATTGATAACACTCATGAAGATGATGCTTTAAATGGTGTATTATGAAGATCACAAAC<br/> TTCTAAGGGAATTCATTTTCAAGACTATGATACAACCTCCATTTCAAGCAAAAACCAATGAACAGCTTA<br/> TGTGTTAGCCATAGCTGAAAATAAGCACAAATAGCTTATATTCAGATCCTATCTTCATTTGAATATAGC<br/> TTTTAAATGAAATGTTACAGTTTGAAGTTTCTTCATGCACTTGGTGATAAACGTTTCTAAATTTTT<br/> AGTTAAGTATATGGATAAAAAGTTATGAACATTAATAATGTGATGTGGACCAAGGCTAGGTTGTAAT<br/> CTTGATAGTCTAAAAATGATCAAAACAAATGATTTTCAAGGAATATTCAATATTCTGCCTTTCAGAAA<br/> GTGATTTTATATCTGTGCTTCATAAATATTAATGTTCTTCAGAACATCATTTTAAAGGAGATACTTGAA<br/> TTGTTATTTAAATCAACCAGATGTAAACACTCACATACAAGTTCATACTTTAAAGAGGAAAGCTAC<br/> TTAACAATGACAAATATTTCAACAATAAATTTTTACTTATATACCATCTTTCAACTGAACATTTCAAGT<br/> TCTTCCAAGAGCTTCTTAGAGTAGTATATTTTGGGGGCGAGTCAAGGAATAAACTACAGTGTAAACATAT<br/> CCCAGATGAAAATGCTGTATGGAAAAATGACAGAAAAGTAACTGATTGACACTGTTGATTACAGTTCA<br/> GCCTCCTATCTGGGAAAGACATTTCTTCTCTGCTCACTTTAAGAACTTTTACCGACTCCAAAAATCT<br/> CAGGAATTAACCTTTTAAACAGTTACAGCAATAAAGAATAGTTAGTACTCCAAAAATATTATATTTAAGA<br/> TGCTCAACAAGAAAAAATGCAATGTAATTTTTTTTCAAATTACTTCTTTATTGACTTGTCCAAATT<br/> TCAAAAGTGCCTACCCTTCAATAAACTTTTTTATTCTGATCTCCATAAATTACTTAGTCTTCTATGTA<br/> TAGCTATCAAGGAAATAAAACCAATTTTGCCACAGCCACAAGTAAATGTTTTGTACCATGCTGAA<br/> ACTCATAACAACACAGACATAAAAAATAGCTGTGAGGTTTTGCTTTTTTTGTTGTCAGCTATCTTAAGAA<br/> TCATTAATAACACCTGCTTTGGGTAAAACCTTTTGCAAGCAGTAATTAACACTAGTAACAGTGAAAGCA<br/> CAAGATTTCCAAATCAGTCGTTTTCTCAAAAAATATCGTATAAGTGACTCATCTGTCTGCTAACTCC<br/> AGACCTCCAGCTTGAAGCCAAATCTTCCATGTGAGATTGATATGGATTTCTAGAAGTACTGGAATG<br/> TTGTCATATCTTGCCCTATTTAATTCTGCTATAGAAAACAATTGCCTTCACTTTTAAAGGAGTAATTTG<br/> AATATTAATAACTCTGGTCTAGATTTTTCATATAATGTATTAAGACAAAGTAGTGAACATCAATGAACA<br/> TCTGATAGAGATAAACTGTAATCAGGCATAAGCTTGTTTGTATGTTCTGGCAGTGACTAATCAGTAAAT<br/> GATGTCGGTTTGCCAGTATCACTTATCTCTGTATTTTCTCTGTCGTGTAATAGTATAACCTTTT<br/> CATTTATGGACAATTTTTTGGACTAGTAGCCTTCAATATACATTCTGCTTGAATTAATTTTTTCAAT<br/> CAATAAATTATGTAGACATTTAAATCAAAATATCAAGTAGAATTGAAAAATGTGAGTTACATAAGTTAA<br/> AACTTACTTTAAATCTTACCTTCTATAGGTAGCTCTAAATAAATTCATATGGTTATATGGCATCTCTG<br/> GTGTATACTGATTGAGAAAAATAATTAACCTGAAGTTAGGGGAGGGGGA<br/> ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA<br/> CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG</p> |
| <b>Restriction Sites:</b> | Sgfl-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>OTI Disclaimer:</b>    | <p>Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Components:</b>        | <p>The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq:</b>            | <u><a href="#">NM_001145816.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| Summary:  | This gene encodes a member of the short-chain nonmetalloenzyme alcohol dehydrogenase protein family. The encoded enzyme is responsible for the metabolism of prostaglandins, which function in a variety of physiologic and cellular processes such as inflammation. Mutations in this gene result in primary autosomal recessive hypertrophic osteoarthropathy and cranioosteoarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009] |
| Locus ID: | 3248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MW:       | 74.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |