

## Product datasheet for **SC214370**

### **BIGM103 (SLC39A8) (NM\_001135146) Human 3' UTR Clone**

#### **Product data:**

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Product Type:             | 3' UTR Clones                                       |
| Product Name:             | BIGM103 (SLC39A8) (NM_001135146) Human 3' UTR Clone |
| Symbol:                   | BIGM103                                             |
| Synonyms:                 | BIGM103; CDG2N; LZT-Hs6; PP3105; ZIP8               |
| Mammalian Cell Selection: | Neomycin                                            |
| Vector:                   | pMirTarget (PS100062)                               |
| ACCN:                     | NM_001135146                                        |
| Insert Size:              | 1408 bp                                             |



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| <b>Insert Sequence:</b>   | <p>&gt;SC214370 3'UTR clone of NM_001135146</p> <p>The sequence shown below is from the reference sequence of NM_001135146. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC TTGTATGCAGGAGAAATCGAATTGGAGTATAGAAAAATGGAAGATGGTGTGTTAATAAAGGCATTTAA TAGATAAAAAACATCTCCAAAAAGGATTTTGAAGCTGATCCTATTTAGTTAAAAAGATAATTTTGCTTTC AACTGTAGGTCCAGAAAATAATTATTGGCATCAGTCTGTGAAATAGTCCATTATTTGTTGTTAAAAAT GCTTCAAAGGTTTTTCAGTGTCTGAGATGCCTGGTATATAGGAGCCTTTGGGAAATACCTATTTT TCAGTATTCATGCATATTAGATATCACCATGAAGCAAGAGACATGCATTCTATAATCATGTAGACACT CAGACTCAGGGGAAAATACAAGTTATATCCTGAAAGCCTTTAAACTCTATGGTAGGATCAAAGATTCA AATGGTTTCAGAGAGTTTTTATTTCAATTAATTTGTTCTAGTGCTTTCAAGAGCAAGTACATCAAAATG TAGAAGGTAAGTATGCAACACTAATATAAATTATTCCAAGTCTTTAAGGAGCCAAAGAAAAAAG ATTTCTCAGACTTTTTGTTCTGTTTTGTATTTCAATTAGGAAGTGCAGTATTATTTGAAAACCAT CTAAAAATAATAGGAGTTAGGAAATAAATAAAGTTTTGCTAGCCCTGCTAAGTTCAGGCTTAGAGGCTTA TCGCTAAGTATAAACTTCACCAGATTCACGAAAAGCTGGATAGCTTTTTTTCTGACTTATGTTGTGGT TGCACCCCTCACAAATGGCAGAACAGTATGTAAGCTGGTAACACCTCGGTTTCAGTGCACCATGTGTT TGCTTTGTGAAGTGAAGAATATGTTGGTTTAGAGAAAGAAATGGATGTAATTTTATGCAATTTACTT TTAAAGACAAACATAACTATTTAGCAGAGAATATTTAATAAATGCAAAACAACAGCTGGACTGCTGTA CATCAAGGACAGATTAAGTGGAAAACATATGTTCTTATGTGTGATCGAGAGCCATTAGAAAAGACTT CCTTTGTGTTTCAGCCTATACTTTTCCATATGGTATACCTTGAAAAAATTAGCACACCATGGTTATTTT TCTACCTTTTATAAAAGACAGAGCTGTTTACTCATTTAGAAGATAGAGAAAATTGGTCTAAAAATTGAA CATCTAGATTACACTCCCAAGTCACTTAAGGTGATTTGATGGTGAGGAAAATGATTGACAAAGCCCA ACAATGATCTCAGGAATTACATTTTCCAACAGACCAAAAAATGTTTTATGTAGCAGCAATGCAGATTT GGTGAATATTTAATATATATTTAGTATGTATTTCACTTTATGACTGACAATAAAAAATATTGTTTG CCAAATAGTAAACACCTTTTGAACCA ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCACCGCCGCTTCTATGAAAGG </pre> |
| <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>NM_001135146.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| Summary:  | This gene encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke. Multiple transcript variants encoding different isoforms have been found for this gene. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Oct 2008] |
| Locus ID: | 64116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MW:       | 54.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |