

## Product datasheet for SC301473

### IRAK1BP1 (NM\_001010844) Human Untagged Clone

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Product Name:             | IRAK1BP1 (NM_001010844) Human Untagged Clone                                               |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | IRAK1BP1                                                                                   |
| Synonyms:                 | AIP70; SIMPL                                                                               |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC301473 representing NM_001010844.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGTCTCTGCAAAAGACCCCTCCGACCCGAGTGTTCTGTGGAAGTGGTTCCTGGGCTGACCGGAGCCGG  
 GAGAACAACCTGGCCTCAGGGAGAGAGACGCTACCGGGCTTACGCCACCCCTCTCCTCAACACAAGCC  
 CAAACTGCTACCCGCGAGGTGCAAGTAAGCGGCACCTCAGAAAGTGTCTGCGGGCCCTGACCGGGCGCAG  
 GTGGTGGTGCGAGTGAGCAGCACCAAGGAGGCGGCAGCCGAGGCCAAAAAGAGCGTTTGTGCGCGTCTA  
 GATTACATCAGCAGAGCCTCCAGCAGCAGGGCGTGCAGGCAGAAAATATAACTGTGACAAAGGATTTT  
 AGGAGAGTGGAATGCTTATCACATGGAAGCAGAGGTCTGCATTACATTTACTGAATTTGAAAAATG  
 CAAAATATTTGAACTTTCTTGTGAAAAGCTAGATAGCTCTGTTGTCATCAGCCACCCAGTTCTAT  
 CATACTCCAGTTCTGTTGAGAATCTTCGACGCAAGCCTGTCTTGTGCTGTTGAGAATGCGTGCGCGC  
 AAAGCTCAAGAAGTCTGTAACTTGTGGCCAAACCTTAGGAAAACCTTTACTAATCAAAGAAGAAGAA  
 ACAAAGAATGGGAAGGCCAAATAGATGATCACCAGTCATCCAGACTCTCAAGTTCATTAAGTGTACAA  
 CAAAAATCAAAGTGCAACAATACATGCTGCTTCAAAGTATTTATAACTTTTGAGGTAAGGGGAAAA  
 GAGAAGAGAAAAAGCACCTTGA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

|                    |              |
|--------------------|--------------|
| Restriction Sites: | SgfI-MluI    |
| ACCN:              | NM_001010844 |
| Insert Size:       | 783 bp       |


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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                          |
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                      |
| <b>Components:</b>            | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_001010844.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 3464 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 783 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 134728                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q5VWH5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 6q14.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>                    | 29.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Component of the IRAK1-dependent TNFRSF1A signaling pathway that leads to NF-kappa-B activation and is required for cell survival. Acts by enhancing RELA transcriptional activity (By similarity).[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                      |