

## Product datasheet for **TP723232**

### IL36 gamma (IL36G) (NM\_019618) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Human interleukin 1 family, member 9 (IL1F9).  |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | SMCKPITGTI NDLNQVWTL QGQNLVAVPR SDSVTPVTVA VITCKYPEAL EQGRGDPIYL GIQNPEMCLY CEKVGEQPTL QLKEQKIMDL YGQPEPVKPF LFYRAKTGRT STLESVAFPD WFIASSKRDQ PIILTSELGK SYNTAFELNI ND |
| Tag:                                  | Tag Free   |
| Predicted MW:                         | 17 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                               | Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2  |
| Bioactivity:                          | Measured by its ability to induce IL-8 production by human PBMCs.  |
| Endotoxin:                            | Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)  |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.  |
| RefSeq:                               | <a href="#">NP_062564</a>  |
| Locus ID:                             | 56300  |
| UniProt ID:                           | <a href="#">Q9NZH8</a>   |
| RefSeq Size:                          | 1212   |
| Cytogenetics:                         | 2q14.1   |
| RefSeq ORF:                           | 507  |
| Synonyms:                             | IL-1F9; IL-1H1; IL-1RP2; IL1E; IL1F9; IL1H1; IL1RP2  |



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**Summary:**

The protein encoded by this gene is a member of the interleukin 1 cytokine family. The activity of this cytokine is mediated by interleukin 1 receptor-like 2 (IL1RL2/IL1R-rp2), and is specifically inhibited by interleukin 1 family, member 5 (IL1F5/IL-1 delta). Interferon-gamma, tumor necrosis factor-alpha and interleukin 1, beta (IL1B) are reported to stimulate the expression of this cytokine in keratinocytes. The expression of this cytokine in keratinocytes can also be induced by a contact hypersensitivity reaction or herpes simplex virus infection. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, May 2019]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**