

## Product datasheet for **TP723726**

### IP10 (CXCL10) (NM\_001565) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Human chemokine (C-X-C motif) ligand 10 (CXCL10 / IP10)  |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | Human CXCL10, the region of Val22-Pro98, from gene Accession# NM_001565  |
| Tag:                                  | Tag Free   |
| Predicted MW:                         | 8.7 kDa  |
| Concentration:                        | lot specific   |
| Purity:                               | >98%, as determined by Coomassie stained SDS-PAGE.   |
| Buffer:                               | 1 x PBS  |
| Bioactivity:                          | Recombinant human CXCL10 (IP-10) chemoattracts Baf3-mCXCR3 transfectants in a dose-dependent manner. The ED50 for this effect is 0.2 – 1.6 ng/mL.  |
| Endotoxin:                            | Less than 0.01 ng per µg protein as determined by the LAL method   |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles. |
| RefSeq:                               | <a href="#">NP_001556</a>  |
| Locus ID:                             | 3627   |
| UniProt ID:                           | <a href="#">P02778</a>   |
| RefSeq Size:                          | 1227   |
| Cytogenetics:                         | 4q21.1   |
| RefSeq ORF:                           | 294  |
| Synonyms:                             | C7; crg-2; gIP-10; IFI10; INP10; IP-10; mob-1; SCYB10  |



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|--------------------------|---|
| <b>Summary:</b>          | This antimicrobial gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression. This gene may also be a key regulator of the 'cytokine storm' immune response to SARS-CoV-2 infection. [provided by RefSeq, Sep 2020] |
| <b>Protein Families:</b> | Druggable Genome, Secreted Protein, Transmembrane   |
| <b>Protein Pathways:</b> | Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway   |