

## Product datasheet for **TP721120**

### **MCP2 (CCL8) (NM\_005623) Human Recombinant Protein**

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Purified recombinant protein of Human chemokine (C-C motif) ligand 8 (CCL8)   |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | HEK293  |
| <b>Expression cDNA Clone or AA Sequence:</b> | Gln24-Pro99   |
| <b>Tag:</b>                                  | C-His   |
| <b>Predicted MW:</b>                         | 9.95 kDa  |
| <b>Concentration:</b>                        | lot specific  |
| <b>Purity:</b>                               | >95% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Buffer:</b>                               | Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.4.   |
| <b>Endotoxin:</b>                            | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)   |
| <b>Reconstitution Method:</b>                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Storage:</b>                              | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.   |
| <b>Stability:</b>                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.   |
| <b>RefSeq:</b>                               | <a href="#">NP_005614</a>   |
| <b>Locus ID:</b>                             | 6355  |
| <b>UniProt ID:</b>                           | <a href="#">P80075</a>  |
| <b>RefSeq Size:</b>                          | 1351  |
| <b>Cytogenetics:</b>                         | 17q12   |
| <b>RefSeq ORF:</b>                           | 297   |
| <b>Synonyms:</b>                             | HC14; MCP-2; MCP2; SCYA8; SCYA10  |



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**Summary:**

This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection. [provided by RefSeq, Sep 2014]

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway