

## Product datasheet for **TP723815**

### MDC (CCL22) (NM\_002990) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chemokine (C-C motif) ligand 22 (CCL22 / MDC)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Human CCL22, the region of Gly25-Gln93, from gene Accession# NM_002990.4 was expressed in E.coli.
Tag:	Tag Free
Predicted MW:	8 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	0.22 µm filtered protein solution is in 0.1% TFA
Bioactivity:	Bioactivity was measured by its property to chemoattract BaF3-hCCR4 transfectants in a dose dependent manner.
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:	<u><a href="#">NP_002981</a></u>
Locus ID:	6367
UniProt ID:	<u><a href="#">O00626</a></u>
RefSeq Size:	2933
Cytogenetics:	16q21
RefSeq ORF:	279
Synonyms:	A-152E5.1; ABCD-1; DC/B-CK; MDC; SCYA22; STCP-1



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**Summary:**

This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for monocytes, dendritic cells, natural killer cells and for chronically activated T lymphocytes. It also displays a mild activity for primary activated T lymphocytes and has no chemoattractant activity for neutrophils, eosinophils and resting T lymphocytes. The product of this gene binds to chemokine receptor CCR4. This chemokine may play a role in the trafficking of activated T lymphocytes to inflammatory sites and other aspects of activated T lymphocyte physiology. [provided by RefSeq, Sep 2014]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Product images:**