

Product datasheet for **AR09280PU-N**

MDC / CCL22 (25-93, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MDC / CCL22 (25-93, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGPYGANMED SVCCRDYVRY RLPLRVVKHF YWTS DSCPRP GVVLLTFRDK EICADPRVPW VKMILNKLSQ
Tag:	His-tag
Predicted MW:	10.3 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified peptide Buffer System: PBS, pH 7.4, 10% glycerol
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified peptide
Protein Description:	Recombinant human CCL22/MDC, fused to His-tag at N-terminus, was expressed as insoluble protein aggregate in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_002981</u>
Locus ID:	6367
UniProt ID:	<u>O00626</u>
Cytogenetics:	16q21
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: