

Product datasheet for **TP720044M**

IP10 (CXCL10) (NM_001565) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chemokine (C-X-C motif) ligand 10 (CXCL10)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Val22-Pro98
Tag:	tag free
Predicted MW:	8.6 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001556
Locus ID:	3627
UniProt ID:	P02778
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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Summary:

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]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway