

Active Recombinant Human CCL3 Protein

Cat. No. CCL3-220C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL3 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	MIP-1 Alpha, also known as CCL3, G0S19-1 and SCYA3, is a small inducible monokine belonging to the intercrine beta (chemokine CC) family. It binds to CCR1, CCR4 and CCR5, and participates in the host response to invading pathogens by regulating the trafficking and activation of inflammatory cells, such as macrophages, lymphocytes, NK cells and dendritic cells. MIP-1 alpha polymorphisms are associated with HIV susceptibility or resistance.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 100 ng/mL, measured in a calcium flux assay using CHO/Gα15 cells expressing CCR5.
Molecular Mass	8-10 kDa, observed by reducing SDS-PAGE.
AA Sequence	ADTPTACCFSTYRQIPQNFIADYFETSSQCSKPGVIFLTKRSRQVCADPSEEWVQK YVSDLELSA
Endotoxin	< 0.2 EU/μg, determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Human MIP-1 Alpha remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human MIP-1 Alpha should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.
GENE INFORMATION	
Gene Name	CCL3 chemokine (C-C motif) ligand 3 [Homo sapiens]
Official Symbol	CCL3
Synonyms	CCL3; chemokine (C-C motif) ligand 3; SCYA3, small inducible cytokine A3 (homologous to mouse Mip 1a); C-C motif chemokine 3; G0S19 1; LD78ALPHA; MIP 1 alpha; SIS-beta; PAT 464.1; G0/G1 switch regulatory protein 19-1; macrophage inflammatory protein 1-alpha; tonsillar lymphocyte LD78 alpha protein; small inducible cytokine A3 (homologous to mouse Mip-1a); MIP1A; SCYA3; G0S19-1; MIP-1-alpha;
Gene ID	6348
mRNA Refseq	NM_002983
Protein Refseq	NP_002974
MIM	182283
UniProt ID	P10147

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