

HB220505

Recombinant Human Macrophage Inflammatory Protein-5/CCL15 (Human MIP-5/CCL15)

Product Information

Product Name	Cat#	Size
Recombinant Human Macrophage Inflammatory Protein-5/CCL15 (Human MIP-5/CCL15)	90960ES08	5 µg
	90960ES60	100 µg
	90960ES76	500 µg

Product Description

Human CCL15 is belonging to the CC chemokine family and shares 35 % amino acid homology with human HCC1 (CCL14). CCL15 is most abundant in heart, skeletal muscle and adrenal gland, and low expressed in liver, small intestine, colon, and in certain leukocytes and macrophages of the lung. It is chemotactic for neutrophils, monocytes, and lymphocytes and elicits its effects by binding to cell surface chemokine receptors like CCR1 and CCR3. CCL15 has several cleaved chains. All of them are more potent chemoattractants than CCL15.

Product Properties

Synonyms	HCC-2;HMRP-2B; LKN-1; LKN1; MIP-1 delta; MIP-1D; MIP-5; MRP-2Bn; NCC-3; NCC3;
Accession	Q16663
GeneID	6359
Source	E.coli-derived human Macrophage Inflammatory Protein-5, Gln22-Ile113
Molecular Weight	Approximately 10.2 kDa.
AA Sequence	QFINDAETEL MMSKLPLENP VVLNSFHFAA DCCTSYISQS IPCSLMKSYF ETSSECSKPG VIFLTKKGRQ VCAKPSGPGV QDCMKKLPY SI
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 1.0-10 ng/ml.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.