

Recombinant Human Liver-Expressed Chemokine/CCL16 (Human LEC/CCL16)

Product Information

Product Name	Cat#	Size
	90962ES08	5 µg
Recombinant Human Liver-Expressed Chemokine/CCL16 (Human LEC/CCL16)	90962ES60	100 µg
	90962ES76	500 µg

Product Description

Human CCL16, also called Liver-expressed chemokine (LEC), Monotactin-1 (MTN-1), IL-10-inducible chemokine and so on, is expressed by the CCL16 gene located on the chromosome 17 in humans. The gene encodes a 120 a.a. residue precursor protein with a 23 a.a. residue predicted signal peptide that is cleaved to generate a 97 a.a. residue mature protein. The protein is secreted by the liver, thymus, spleen cells and showing chemotactic activity for lymphocytes and monocytes but it is distantly related to other CC chemokines, exhibiting less than 30 % sequence identity. CCL16 is highly induced by IL-10, IFN- γ and bacterial lipopolysaccharide in monocytes and signal through CCR1, CCR2, CCR5, and CCR8.

Product Properties

Synonyms	C-C motif chemokine 16, HCC-4, IL-10-inducible chemokine, LCC-1
Accession	O15467
GeneID	6360
Source	E.coli-derived human Liver-Expressed Chemokine Protein, Gln24-Gln2
Molecular Weight	Approximately 11.2 kDa.
AA Sequence	QPKVPEWVNT PSTCCLKYYE KVLPRRLVVG YRKALNCHLP AIFVTKRNR EVCTNPNDW VQEYIKDPNL PLLPTRNLST VKIITAKNGQ PQLLSQ
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 monocytes is in a concentration range of 10-100 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, 150 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 \leq -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.

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