

Recombinant Human CCL28 Protein

Cat. No. CCL28-54H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CCL28 Protein was expressed in E. coli.

Species Human

Source E.coli

ProteinLength 114 amino acid

Description

Human CCL28 is chemokine that is constitutively expressed by epithelial cells in diverse mucosal tissues and is known to attract a variety of immune cell types including T-cell subsets and eosinophils through activation of the G protein-coupled receptors CCR10 and CCR3. CCL28 contains an extended C-terminal domain consisting of ~40 flexible amino acids. In addition to the two disulfide bonds that are conserved throughout the chemokine family, two additional cysteine residues at positions 30 and 80 form a novel disulfide linkage between the folded chemokine domain and the flexible C-terminus. Human CCL28 is expressed as an immature polypeptide 127 amino acids in length. Two different mature N-terminal sequences have been described due to uncertainty in the site of cleavage by signal peptidase. CCL28(4-108) is described in the NCIB GenPept entry as the mature form based on an ab initio prediction of the site of signal peptide cleavage. It consists of residues 23-127 of the expressed protein and may exhibit higher potency as a CCR10 agonist than the longer version [CCL28(1-108)] that includes three additional N-terminal residues.

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Form	Lyophilized
Molecular Mass	12.070 kDa
AA Sequence	ILPIASSCCTEVSHHISRLLERVNMCRIQRADGDCDLAAVILHVKRRRICVSPHNHTV KQWMKV QAAKNGKGNVCHRKKHHGKRNSNRAHQGKHETYGHKTPY
Endotoxin	Endotoxin-free <0.01 EU/ug
Purity	Purity assessed by HPLC, Mass Spectrometry, and NMR
Storage	Store at -20 to -80 centigrade for 12 months; Store at 4 centigrade for 6 months; Store at RT for 1 month.
tmpcolum67	C-C motif chemokine ligand 28

GENE INFORMATION

Gene Name	CCL28 C-C motif chemokine ligand 28 [Homo sapiens (human)]
Official Symbol	CCL28
Synonyms	MEC; CCK1; SCYA28
Gene ID	56477
mRNA Refseq	NM_148672
Protein Refseq	NP_683513
MIM	605240

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UniProt ID

Q9NRJ3

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