Recombinant Human Chemokine (C-C motif) ligand 11,His-tagged

Cat. No. CCL11-27H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Eotaxin His Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 74 amino acids fragment (24-87) corresponding to the mature Eotaxin protein and having a molecular mass of 8345.9 Dalton with an amino-terminal hexahistidine tag. The Eotaxin-His is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	24-87 a.a.
Description	Chemokine (C-C motif) ligand 11 (CCL11) is a small cytokine belonging to the CC chemokine family that is also known as eotaxin. CCL11 selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses. The effects of CCL11 are mediated by its binding to a G-protein-linked receptor known as a chemokine receptor. Chemokine receptors for which CCL11 is a ligand include CCR2, CCR3 and CCR5. The gene for human CCL11 (scya11) is encoded on three exons and is located on chromosome 17.
Physical Appearance	Sterile Filtered clear solution.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Formulation	Eotaxin-His is supplied in 1x PBS and 50% glycerol.
Storage	Lyophilized Eotaxin although stable at room temperature for 3 weeks, should be stored desiccated below -18℃. Upon reconstitution CCL11 should be stored at 4℃between 2-7 days and for future use below -18℃. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	CCL11 chemokine (C-C motif) ligand 11 [Homo sapiens]
Synonyms	CCL11; chemokine (C-C motif) ligand 11; C-C motif chemokine 11; eotaxin; eotaxin-1; Eosinophil chemotactic protein; MGC22554; Small-inducible cytokine A11; small inducible cytokine A11; SCYA11; small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin)
Gene ID	6356
mRNA Refseq	NM_002986
Protein Refseq	NP_002977
MIM	601156
UniProt ID	P51671
Chromosome Location	17q21.1-q21.2
Pathway	Asthma; Chemokine signaling pathway; Cytokine-cytokine receptor interaction

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Function	chemokine activity



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