

GFH178 Recombinant Human Eotaxin-1 / CCL11

Description

Eotaxin-1, also known as Eotaxin and CCL11, is a chemokine that recruits eosinophils to sites of allergic inflammation. Eotaxin-1 signals through the G protein-coupled chemokine receptors CCR2, CCR3, and CCR5. Eotaxin-1 also negatively regulates adult neurogenesis. High Eotaxin-1 levels are associated with impaired learning and memory.

Length	74 aa
Molecular Weight	8.4 kDa
Source	E. coli
Accession Number	P51671
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

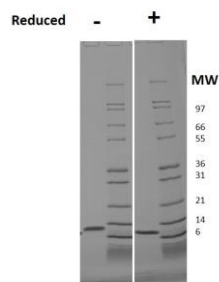
Specifications

Alternative Names	CCL11, Eosinophil Chemotactic Protein, eotaxin, eotaxin1
Biological Activity	Human Eotaxin-1 is fully biologically active when compared to standard. The activity is determined by the ability to induce chemotaxis of primary human eosinophils starting at a concentration of 50 ng/ml. There is no data currently available.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	GPASVPTTCC FNLANRKIPL QRLESYRRIT SGKCPQKAVI FKTKLAKDIC ADPKKKQVQD SMKYLDQKSP TPKP

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane.
Human Eotaxin-1 has a predicted Mw of 8.4 kDa.