Recombinant Human CCL5/RANTES Protein

Catalog No. PKSH032200

Note: Centrifuge before opening to ensure complete recovery of vial contents.

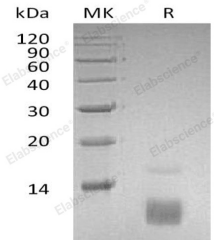
Description

Synonyms	C-C Motif Chemokine 5;EoCP;Eosinophil Chemotactic Cytokine;SIS-Delta;Small-Inducible Cytokine A5;T Cell-Specific Protein P228;TCP228;T-Cell-Specific Protein RANTES;CCL5;D17S136E;SCYA5
Species	Human
Expression Host	E.coli
Sequence	Ser24-Ser91
Accession	P13501
Calculated Molecular Weight	7.8 kDa
Observed molecular weight	9-12 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Citrate, 6% Trehalose, 4% Mannitol, 0.05% Tween 80, pH4.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

Background

Human Chemokine (C-C Motif) Ligand 5 (CCL5) plays an active role in recruiting leukocytes into inflammatory sites. CCL5 is secreted by many cell types at inflammatory sites and it exerts a wide range of activities through the receptors CCR1, CCR3, CCR4, and CCR5. N-Terminal truncated CCL5/RANTES, Met-RANTES, and amino-oxypentane (AOP)-RANTES exhibit antagonist or partial agonist functions on their receptors. CCL5/RANTES attracts different subtypes of leukocytes into inflamed tissue and intervenes in a wide range of allergic and autoimmune diseases.

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