

Recombinant Human CCL27/CTACK Protein(Sumo Tag)

Catalog Number: GPEH0602

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

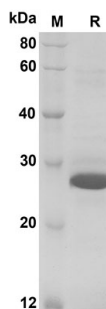
Description

Species	Human
Source	E.coli-derived Human CCL27/CTACK protein Phe25-Gly112, with an N-terminal Sumo
Calculated MW	22.6 kDa
Observed MW	28 kDa
Accession	Q9Y4X3
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg 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 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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 in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human CCL27/CTACK proteins, 2 µg/lane of Recombinant Human CCL27/CTACK proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 28 KD

Background

CCL27/CTACK, also known as CTACK, is a small cytokine belonging to the CC chemokine family. Members of this family are proteins characterized by two adjacent cysteines. CCL27/CTACK is chemotactic for skin-associated memory T lymphocytes. CCL27/CTACK may also play a role in mediating homing of lymphocytes to cutaneous sites. CCL27/CTACK plays a pivotal role in establishing the inflammatory infiltrate characteristic for common inflammatory skin diseases. Through binding to the chemokine receptor 1 (CCR1), CCL27/CTACK mediates inflammation by promoting lymphocyte migration into the skin.