

Recombinant Human IL16 Protein

Catalog Number: PDEH100731

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

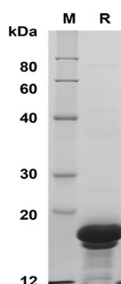
Description

Species	Human
Source	E.coli-derived Human IL-16 protein Met1-Ser130, with an N-terminal His
Calculated MW	13.4 kDa
Observed MW	18 kDa
Accession	Q14005
Bio-activity	Not validated for activity

Properties

Purity	> 95% 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 IL16 proteins, 2µg/lane of Recombinant Human IL16 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 18 KD.

Background

Interleukin-16 stimulates a migratory response in CD4⁺ lymphocytes, monocytes, and eosinophils. Primes CD4⁺ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4.

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