Recombinant Human ST14/Matriptase Protein (His Tag)

Catalog Number: PDEH100938

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

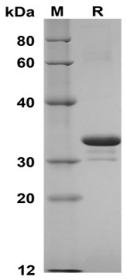
Description

Species	Human
Source	E.coli-derived Human ST14 protein Thr571-Val855, with an N-terminal His
Calculated MW	31.2 kDa
Observed MW	33 kDa
Accession	Q9Y5Y6
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 ST14/Matriptase proteins, 2 μg/lane of Recombinant Human ST14/Matriptase proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 33 kDa.

Background

Degrades extracellular matrix. Proposed to play a role in breast cancer invasion and metastasis. Exhibits trypsin-like activity as defined by cleavage of synthetic substrates with Arg or Lys as the P1 site.Defects in ST14 are a cause of ichthyosis autosomal recessive with hypotrichosis (ARIH). ARIH is a skin disorder characterized by congenital ichthyosis associated with the presence of less than the normal amount of hair.

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