Recombinant Human SCG3 Protein(His Tag)

Catalog Number: PDEH100766

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

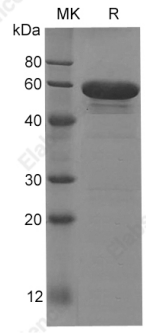
Description

Species	Human
Source	E.coli-derived Human SCG3 protein Phe20-Leu468, with an N-terminal His & C-terminal His
Calculated MW	51.0 kDa
Observed MW	60 kDa
Accession	Q8WXD2-1
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 SCG3 proteins, 2 μg/lane of Recombinant Human SCG3 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 60 kDa.

Background

Member of the granin protein family that regulates the biogenesis of secretory granules.Acts as a sorting receptor for intragranular proteins including chromogranin A/CHGA.May also play a role in angiogenesis. Promotes endothelial proliferation, migration and tube formation through MEK/ERK signaling pathway.