

Recombinant Human TRIM5/RNF88 Protein (His Tag)

Catalog Number: PKSH033149

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

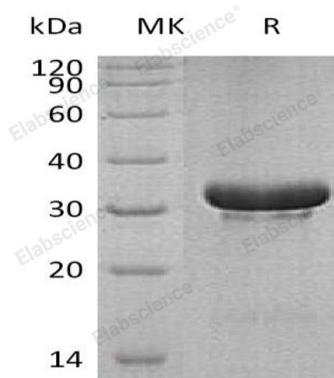
Description

Species	Human
Source	E.coli-derived Human TRIM5/RNF88 protein Met 1-Gln248, with an N-terminal His
Calculated MW	30.8 kDa
Observed MW	30-36 kDa
Accession	Q9C035
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Tripartite motif-containing Motif 5 is a protein that in humans is encoded by the TRIM5 gene. It is a 493 amino acids protein that belongs to the TRIM/RBCC family. It contains 1 B box-type zinc finger, 1 B30.2/SPRY domain and 1 RING-type zinc finger. TRIM5 present in the cytoplasm recognizes motifs within the capsid proteins and interferes with the uncoating process, therefore preventing successful reverse transcription and transport to the nucleus of the viral genome. The exact mechanism of action has not been shown conclusively, but capsid protein from restricted viruses is removed by proteasome-dependent degradation.