

TRIM5 Protein, Human, Recombinant (His)

General Information

Synonyms:	RNF88;Tripartite motif-containing protein 5;RING finger protein 88;TRIM5
Protein Construction:	Met1-Gln248
Species:	Human
Expression Host:	E. coli
Accession:	Q9C035
Molecular Weight:	30-36 KDa (reducing condition)
AA Sequence:	Met1-Gln248

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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

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