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Datasheet for ABIN7319116 TRIM5 Protein (His tag)

Overview

Quantity:	50 µg
Target:	TRIM5
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TRIM5/RNF88 Protein (His Tag)
Sequence:	Met 1-Gln248
Characteristics:	Recombinant Human Tripartite motif-containing protein 5 is produced by our E.coli expression system and the target gene encoding Met1-Gln248 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TRIM5
Alternative Name:	TRIM5/RNF88 (TRIM5 Products)
Background:	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

Target Details

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
Synonym: Tripartite motif-containing protein 5, RING finger protein 88, TRIM5, RNF88

Molecular Weight: 30.8 kDa

UniProt: [Q9C035](#)

Pathways: [Activation of Innate immune Response](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.