

Product datasheet

Recombinant Human TRIM5 alpha protein ab164745

1 Image

Overview

Product name	Recombinant Human TRIM5 alpha protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	SCAIVEDKRQVSSPKPQIIYGARGTRYQTFVNFNYCTG ILGSQSITSGK HYWEVDVSKKTAWILGVCAGFQPDAMCNIEKNENYQP KYGYWVIGLEEGV KCSAFQDSSF
Amino acids	309 to 418
Tags	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab164745** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

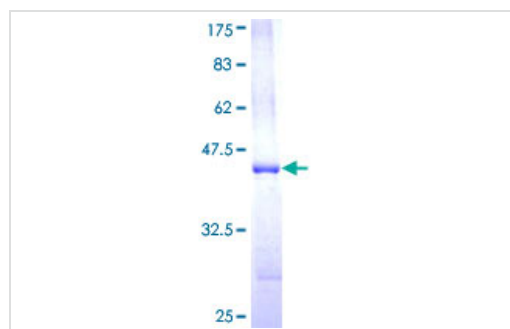
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Isoform Alpha is a retrovirus restriction factor, which mediates species-specific, early block to retrovirus infection. Targets retroviral capsid soon after entry into the cell, and prevents reverse transcription of the virus RNA genome. Isoform Alpha trimers may make multiple contacts with the hexameric lattice of CA proteins which constitute the surface of retroviral core, and somehow inactivate the virus. Restricts efficiently infection by N-MLV, but not HIV-1. May have E3 ubiquitin-protein ligase activity.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the TRIM/RBCC family. Contains 1 B box-type zinc finger. Contains 1 B30.2/SPRY domain. Contains 1 RING-type zinc finger.
Domain	The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme.
Post-translational modifications	Ubiquitinates itself in a RING finger- and UBE2D2-dependent manner (in vitro).
Cellular localization	Cytoplasm > P-body. Cytoplasmic bodies.

Images



ab164745 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human TRIM5 alpha protein (ab164745)

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