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Datasheet for ABIN1945366

TRIM5 Protein (AA 1-248) (His tag)

Overview

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|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | TRIM5 |
| Protein Characteristics: | AA 1-248 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TRIM5 protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human Tripartite Motif-Containing Protein 5/TRIM5/RNF88 (N-6His) |
| Sequence: | MGSSHHHHHH SSSLVPRGSH MASGILVNVK EEVTCPICLE LLTQPLSLDC GHSFCQACLT ANHKKSM LDK GESSCPVCRI SYQPENIRPN RHVANIVEKL REVKLSPEGQ KVDHCAHGE KLLLCQEDG KVICWLCERS QEHRGHHTFL TEEVAREYQV KLQAALEMLR QKQQAEELE ADIREEKASW KTQIQYDKTN VLADFEQLRD ILDWEESENL QNLEKEEEDI LKSLTNSETE MVQQTQSLRE LISDLEHRLQ GSVMEELLQ |
| Characteristics: | Recombinant Human TRIM5 is produced by our E. coli expression system. The target protein is expressed with sequence (AA 1-248) of Human TRIM5 fused with a 6His tag at the N-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

Target Details

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| Target: | TRIM5 |
| Alternative Name: | Tripartite Motif-Containing Protein 5 (TRIM5 Products) |
| 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 |
| Molecular Weight: | 30.8 kDa |
| UniProt: | Q9C035 |
| Pathways: | Activation of Innate immune Response |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Reconstitution: | It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Buffer: | Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | -80 °C |
| Storage Comment: | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| Expiry Date: | 6 months |