

Datasheet for ABIN7555842

TRIM37 Protein (AA 1-964) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM37
Protein Characteristics:	AA 1-964
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM37 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TRIM37 Protein expressed in mammalian cells.
Sequence:	<p>MDEQSVESIA EVFRCFICME KLRDARLCPH CSKLCCFSCI RRWLTEQRAQ CPHCRAPLQL</p> <p>RELVNCRWAE EVTQQLDTLQ LCSLTKEEN EKDKCENHHE KLSVFCWTCK KCICHQCALW</p> <p>GGMHGGHTFK PLAEIYEQHV TKVNEEVAKL RRRLMELISL VQEVERNVEA VRNAKDERVR</p> <p>EIRNAVEMMI ARLDTQLKNK LITLMGQKTS LTQETELLES LLQEVEHQLR SCSKSELISK</p> <p>SSEILMMFQQ VHRKPMASFV TTPVPPDFTS ELVPSYDSAT FVLENFSTLR QRADPVYSPP</p> <p>LQVSGLCWRL KVYPDGNGVV RGYLSVFLE LSAGLPETSK YEYRVEMVHQ SCNDPTKNII</p> <p>REFASDFEVG ECWGYNRFFR LDLLANEGYL NPQNDTVILR FQVRSPTFFQ KSRDQHWYIT</p> <p>QLEAAQTSYI QQINNLERL TIELSRTQKS RDLSPPDNHL SPQNDDALET RAKKSACSDM</p> <p>LLEGGPTTAS VREAKEDDED EEKIQNEDYH HELSDGDLDL DLVYEDEVNQ LDGSSSSASS</p> <p>TATSNTTEEND IDEETMSGEN DVEYNNMELE EGELMEDAAA AGPAGSSHGY VGSSSRISRR</p> <p>THLCSAATSS LLDIDPLILI HLLDLKDRSS IENLWGLQPR PPASLLQPTA SYSRKDKDQR</p>

KQQAMWRVPS DLKMLKRLKT QMAEVRCMKT DVKNTLSEIK SSSAASGDMQ TSLFSADQAA
LAACGTENSG RLQDLGMELL AKSSVANCYI RNSTNKKSNS PKPARSSVAG SLSLRRRAVD
GENSRSKGDC QTLSEGGSPGS SQSGSRHSSP RALIHGSIGD ILPKTEDRQC KALDSDAVVV
AVFSGLPAGE KRRKMVTLGA NAKGGHLEGL QMTDLENNSE TGELQPVLP GASAAPEEGM
SSSDIECDT ENEEQEEHTS VGGFHDSFMV MTQPPDEDTH SSFPDGEQIG PEDLSFNTDE NSGR

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	TRIM37
Alternative Name:	TRIM37 (TRIM37 Products)
Background:	E3 ubiquitin-protein ligase TRIM37 (EC 2.3.2.27) (Mulibrey nanism protein) (RING-type E3 ubiquitin transferase TRIM37) (Tripartite motif-containing protein 37),FUNCTION: E3 ubiquitin-protein ligase required to prevent centriole reduplication (PubMed:15885686, PubMed:23769972). Probably acts by ubiquitinating positive regulators of centriole reduplication (PubMed:23769972). Mediates monoubiquitination of 'Lys-119' of histone H2A

Target Details

(H2AK119Ub), a specific tag for epigenetic transcriptional repression: associates with some Polycomb group (PcG) multiprotein PRC2-like complex and mediates repression of target genes (PubMed:25470042). Also acts as a positive regulator of peroxisome import by mediating monoubiquitination of PEX5 at 'Lys-472': monoubiquitination promotes PEX5 stabilisation by preventing its polyubiquitination and degradation by the proteasome (PubMed:28724525). Has anti-HIV activity (PubMed:24317724).
{ECO:0000269|PubMed:15885686, ECO:0000269|PubMed:23769972, ECO:0000269|PubMed:24317724, ECO:0000269|PubMed:25470042, ECO:0000269|PubMed:28724525}.

Molecular Weight: 107.9 kDa

UniProt: [O94972](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months