

Datasheet for ABIN7564116
TRAK1 Protein (AA 1-939) (His tag)



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Overview

Quantity:	1 mg
Target:	TRAK1
Protein Characteristics:	AA 1-939
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAK1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Trak1 Protein expressed in mammalian cells.
Sequence:	<p> MALAIQLRQP SRAQPLPLGS HTLAGTDSCD VCNSTNLPEV EIISLLEEQL PHYKLRA DTI YGYDHDDWLH TPLISPDANI DLTTEQIEET LKYFLLCAER VGQMTKTYND IDAVTRLLEE KERDLELAAR IGQSLLKKNK TLTERNELLE EQVEHIREEV SQLRHEL SMK DELLQFY TSA AEESEPESVC STPLKRNESS SSVQNYFHLD SLQKKLDLE EENVVLRSEA CQLKTETITY EEKEQQLVND CVKELRDANV QIASISEELA KKTEDAARQQ EEITHLLSQI VDLQKKAKSC AVENEELVQH LGAAKDAQRQ LTAELRELED KYAECMEMLH EAQEELKNLR NKTMP TSSRRY HSLGLFPMDS LA AEIEGTMR KELQLEELES PDITHQKRVF ETVRNVNQVV KQRSLTPSPM NIPGSNQSSA MNSLLSSCVS TPRSSFY GSD VSNVLDNKT NSILLETEAA DLGNEDHNKK PGTPGTPGSH DLETALRRLS LRRENYLSER RFFEEEQERK LRELA EKGEL HSGSLTPTES IMSLGTHSRF SEFTGFSGMS FSSRSYLPEK LQIVKPLEGS ATLLHHWQQLA QPHLG GILDP RPGVVTKGFR TLDVDLDEVY CLNDFEEDDT GDHISLAGLA TSTPIQHPET SAHHPGKCMS </p>

Product Details

QTNSTFTFTT CRILHPSDEL TRVTPSLNSA PAPACSSTSH LKSTPVATPC TPRRLSLAES
FTNVRESTTT MSTSLGLVWL LKERGISAAV YDPQSWDRAG RGSLLHSYTP RMAVIPSTPP
NSPMQTPSAS PPSFEFKCTS PPYNNFLASK PASSILREVR EKRPRRSSES QTDVSVSNLN
LVDKVRRFV ARVVNSGRAR IPTLTEEQGP LLCGPTGPAQ ALVPGGLVPE GLPLGCPSGI
RRNRSFPTMV GSSVQMRAPV ILTSGILMGA KLPKQTSR

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:	TRAK1
Alternative Name:	Trak1 (TRAK1 Products)
Background:	Trafficking kinesin-binding protein 1 (Protein Milton),FUNCTION: Involved in the regulation of endosome-to-lysosome trafficking, including endocytic trafficking of EGF-EGFR complexes and GABA-A receptors (By similarity). Involved in mitochondrial motility (PubMed:24995978). When O-glycosylated, abolishes mitochondrial motility. Crucial for recruiting OGT to the mitochondrial surface of neuronal processes (By similarity). TRAK1 and RHOT form an essential protein

Target Details

	complex that links KIF5 to mitochondria for light chain-independent, anterograde transport of mitochondria (By similarity). {ECO:0000250 UniProtKB:Q960V3, ECO:0000250 UniProtKB:Q9UPV9, ECO:0000269 PubMed:24995978}.
Molecular Weight:	104.5 kDa
UniProt:	Q6PD31

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