Datasheet for ABIN7544109

TAB2 Protein (AA 1-693) (His tag)

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Overview

Quantity:	1 mg
Target:	TAB2
Protein Characteristics:	AA 1-693
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAB2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TAB2 Protein expressed in mammalien cells.
Sequence:	MAQGSHQIDF QVLHDLRQKF PEVPEVVVSR CMLQNNNNLD ACCAVLSQES TRYLYGEGDL NFSDDSGISG LRNHMTSLNL DLQSQNIYHH GREGSRMNGS RTLTHSISDG QLQGGQSNSE LFQQEPQTAP AQVPQGFNVF GMSSSSGASN SAPHLGFHLG SKGTSSLSQQ TPRFNPIMVT LAPNIQTGRN TPTSLHIHGV PPPVLNSPQG NSIYIRPYIT TPGGTTRQTQ QHSGWVSQFN PMNPQQVYQP SQPGPWTTCP ASNPLSHTSS QQPNQQGHQT SHVYMPISSP TTSQPPTIHS SGSSQSSAHS QYNIQNISTG PRKNQIEIKL EPPQRNNSSK LRSSGPRTSS TSSSVNSQTL NRNQPTVYIA ASPPNTDELM SRSQPKVYIS ANAATGDEQV MRNQPTLFIS TNSGASAASR NMSGQVSMGP AFIHHHPPKS RAIGNNSATS PRVVVTQPNT KYTFKITVSP NKPPAVSPGV VSPTFELTNL LNHPDHYVET ENIQHLTDPT LAHVDRISET RKLSMGSDDA AYTQALLVHQ KARMERLQRE LEIQKKKLDK LKSEVNEMEN NLTRRRLKRS NSISQIPSLE EMQQLRSCNR QLQIDIDCLT KEIDLFQARG PHFNPSAIHN FYDNIGFVGP VPPKPKDQRS IIKTPKTQDT

Product Details

	EDDEGAQWNC TACTFLNHPA LIRCEQCEMP RHF **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:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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). 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TAB2
Alternative Name:	TAB2 (TAB2 Products)
Background:	TGF-beta-activated kinase 1 and MAP3K7-binding protein 2 (Mitogen-activated protein kinase kinase kinase 7-interacting protein 2) (TAK1-binding protein 2) (TAB-2) (TGF-beta-activated kinase 1-binding protein 2),FUNCTION: Adapter required to activate the JNK and NF-kappa-B signaling pathways through the specific recognition of 'Lys-63'-linked polyubiquitin chains by its RanBP2-type zinc finger (NZF) (PubMed:10882101, PubMed:11460167, PubMed:15327770, PubMed:22158122, PubMed:33184450, PubMed:36681779). Acts as an adapter linking MAP3K7/TAK1 and TRAF6 to 'Lys-63'-linked polyubiquitin chains (PubMed:10882101, PubMed:11460167, PubMed:15327770, PubMed:22158122). The RanBP2-type zinc finger (NZF) specifically recognizes Lys-63'-linked polyubiquitin chains unanchored or anchored to the

Target Details

	substrate proteins such as RIPK1/RIP1 and RIPK2: this acts as a scaffold to organize a large signaling complex to promote autophosphorylation of MAP3K7/TAK1, and subsequent activation of I-kappa-B-kinase (IKK) core complex by MAP3K7/TAK1 (PubMed:15327770, PubMed:18079694, PubMed:22158122). Regulates the IL1-mediated translocation of NCOR1 out of the nucleus (By similarity). Involved in heart development (PubMed:20493459). {ECO:0000250|UniProtKB:Q99K90, ECO:0000269|PubMed:10882101, ECO:0000269|PubMed:11460167, ECO:0000269|PubMed:15327770, ECO:0000269|PubMed:18079694, ECO:0000269|PubMed:20493459, ECO:0000269|PubMed:22158122, ECO:0000269|PubMed:33184450, ECO:0000269|PubMed:36681779}.
Molecular Weight:	76.5 kDa
UniProt:	Q9NYJ8
Pathways:	TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, Ubiquitin Proteasome Pathway

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