Datasheet for ABIN7553771

IKAP/p150 Protein (AA 1-1332) (His tag)

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Overview

Quantity:	1 mg
Target:	IKAP/p150 (ELP1)
Protein Characteristics:	AA 1-1332
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IKAP/p150 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ELP1 Protein expressed in mammalien cells.
Sequence:	MRNLKLFRTL EFRDIQGPGN PQCFSLRTEQ GTVLIGSEHG LIEVDPVSRE VKNEVSLVAE GFLPEDGSGR IVGVQDLLDQ ESVCVATASG DVILCSLSTQ QLECVGSVAS GISVMSWSPD QELVLLATGQ QTLIMMTKDF EPILEQQIHQ DDFGESKFIT VGWGRKETQF HGSEGRQAAF QMQMHESALP WDDHRPQVTW RGDGQFFAVS VVCPETGARK VRVWNREFAL QSTSEPVAGL GPALAWKPSG SLIASTQDKP NQQDIVFFEK NGLLHGHFTL PFLKDEVKVN DLLWNADSSV LAVWLEDLQR EESSIPKTCV QLWTVGNYHW YLKQSLSFST CGKSKIVSLM WDPVTPYRLH VLCQGWHYLA YDWHWTTDRS VGDNSSDLSN VAVIDGNRVL VTVFRQTVVP PPMCTYQLLF PHPVNQVTFL AHPQKSNDLA VLDASNQISV YKCGDCPSAD PTVKLGAVGG SGFKVCLRTP HLEKRYKIQF ENNEDQDVNP LKLGLLTWIE EDVFLAVSHS EFSPRSVIHH LTAASSEMDE EHGQLNVSSS AAVDGVIISL CCNSKTKSVV LQLADGQIFK YLWESPSLAI KPWKNSGGFP VRFPYPCTQT ELAMIGEEEC VLGLTDRCRF FINDIEVASN ITSFAVYDEF LLLTTHSHTC

Product Details

	QCFCLRDASF KTLQAGLSSN HVSHGEVLRK VERGSRIVTV VPQDTKLVLQ MPRGNLEVVH HRALVLAQIR KWLDKLMFKE AFECMRKLRI NLNLIYDHNP KVFLGNVETF IKQIDSVNHI NLFFTELKEE DVTKTMYPAP VTSSVYLSRD PDGNKIDLVC DAMRAVMESI NPHKYCLSIL TSHVKKTTPE LEIVLQKVHE LQGNAPSDPD AVSAEEALKY LLHLVDVNEL YDHSLGTYDF DLVLMVAEKS QKDPKEYLPF LNTLKKMETN YQRFTIDKYL KRYEKAIGHL SKCGPEYFPE CLNLIKDKNL YNEALKLYSP SSQQYQDISI AYGEHLMQEH MYEPAGLMFA RCGAHEKALS AFLTCGNWKQ ALCVAAQLNF TKDQLVGLGR TLAGKLVEQR KHIDAAMVLE ECAQDYEEAV LLLLEGAAWE EALRLVYKYN RLDIIETNVK PSILEAQKNY MAFLDSQTAT FSRHKKRLLV VRELKEQAQQ AGLDDEVPHG QESDLFSETS SVVSGSEMSG KYSHSNSRIS ARSSKNRRKA ERKKHSLKEG SPLEDLALLE ALSEVVQNTE NLKDEVYHIL KVLFLFEFDE QGRELQKAFE DTLQLMERSL PEIWTLTYQQ NSATPVLGPN STANSIMASY QQQKTSVPVL DAELFIPPKI NRRTQWKLSL LD **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:	IKAP/p150 (ELP1)

Target Details

Alternative Name:	ELP1 (ELP1 Products)
Background:	Elongator complex protein 1 (ELP1) (IkappaB kinase complex-associated protein) (IKK complex-associated protein) (p150),FUNCTION: Component of the elongator complex which is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine) (PubMed:29332244). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (PubMed:29332244). Regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation (By similarity). ELP1 binds to tRNA, mediating interaction of the elongator complex with tRNA (By similarity). May act as a scaffold protein that assembles active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK) (PubMed:9751059). {ECO:0000250|UniProtKB:Q06706, ECO:0000250|UniProtKB:Q7TT37, ECO:0000269|PubMed:9751059, ECO:0000303|PubMed:29332244}.
Molecular Weight:	150.3 kDa
UniProt:	O95163

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