Datasheet for ABIN7564245

DNAJC6 Protein (AA 1-938) (His tag)

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Overview

Quantity:	1 mg
Target:	DNAJC6
Protein Characteristics:	AA 1-938
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DNAJC6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dnajc6 Protein expressed in mammalian cells.
Sequence:	MTNPKSGVAE SAGLACSRAA AGENRMKDSE NKGASSPDME PSYGGGLFDM VKGGAGRLFS NLKDNLKDTL KDTSSRVIQS VSSYTKGDLD FTYVTSRIIV MSFPVDSVDI GFRNQVDDIR SFLDSRHLDH YTVYNLSPKS YRTAKFHSRV SECSWPIRQA PSLHNLFAVC RNMYNWLLQN PKNVCVVHCL DGRAASSILV GAMFIFCNLY STPGPAVRLL YAKRPGIGLS PSHRRYLGYM CDLLADKPYR PHFKPLTIKA ITVSPVPFFN KQRNGCRPYC DVLIGETKIY STCTDFERMK EYRVQDGKIF IPLNITVQGD VIVSMYHLRS TIGSRLQAKV TNTQIFQLQF HSGFIPLDTT VLKFTKPELD ACDVPEKYPQ LFQVTLDIEV QPQDKVIDLT PPWEHYCTKD VNPSILFSSQ QEHQDTLALG GQAPADLPPD HPRNLGQGGF FASLCWQDQK SEKSRCEEDH AALVNQESEQ SDDELLTLSS PHGNAEGDKP HGAKKPGKKQ QEPAAPPPPE EVDLLGLEGS DVSTNFSSLA APPSNSELLS DLFGGVGATG PAQAGQAGVE DVFHPSGPVS AQSTPRRTAT SASASPTLRV GEGATFDPFG APAKPPGQDL LGSFLNTSSA SSDPFLQPTR SPSPTVHASS TPAVNIQPDI AGGWDWHTKP GGFGMGSKSA ATSPTGSSHG TPTHQSKPQT LDPFADLGTL GSSSFASKPT

Product Details

	TPTGLGGGFP PLSSPQKASP QPMGGGWQQP AGYNWQQTQS KPQSSMPHSS PQNRPNYNVS FSAMPAGQSE RGKGSTNLEG KQKAADFEDL LSSQGFNAHK DKKGPRTIAE MRKEEMAKEM DPEKLKILEW IEGKERNIRA LLSTMHTVLW AGETKWKPVG MADLVTPEQV KKVYRRAVLV VHPDKATGQP YEQYAKMIFM ELNDAWSEFE NQGQKPLY **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • 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). 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	DNAJC6
Alternative Name:	Dnajc6 (DNAJC6 Products)
Background:	Auxilin (EC 3.1.3.-) (DnaJ homolog subfamily C member 6),FUNCTION: May act as a protein phosphatase and/or a lipid phosphatase. Co-chaperone that recruits HSPA8/HSC70 to clathrin-coated vesicles (CCVs) and promotes the ATP-dependent dissociation of clathrin from CCVs and participates in clathrin-mediated endocytosis of synaptic vesicles and their recycling and

Target Details

	also in intracellular trafficking (PubMed:20160091). Firstly, binds tightly to the clathrin cages, at a ratio of one DNAJC6 per clathrin triskelion. The HSPA8:ATP complex then binds to the clathrin-auxilin cage, initially at a ratio of one HSPA8 per triskelion leading to ATP hydrolysis stimulation and causing a conformational change in the HSPA8. This cycle is repeated three times to drive to a complex containing the clathrin-auxilin cage associated to three HSPA8:ADP complex. The ATP hydrolysis of the third HSPA8:ATP complex leads to a concerted dismantling of the cage into component triskelia. Then, dissociates from the released triskelia and be recycled to initiate another cycle of HSPA8's recruitment. Also acts during the early steps of clathrin-coated vesicle (CCV) formation through its interaction with the GTP bound form of DNM1 (By similarity). {ECO:0000250|UniProtKB:Q27974, ECO:0000269|PubMed:20160091}.
Molecular Weight:	102.3 kDa
UniProt:	Q80TZ3

Application Details

Application Notes:	We expect the protein to work for functional studies. 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