Datasheet for ABIN7564191

Importin 8 Protein (IPO8) (AA 1-1010) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	Importin 8 (IPO8)
Protein Characteristics:	AA 1-1010
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Importin 8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Ipo8 Protein expressed in mammalien cells.
Sequence:	MDLNRIIQAL KGTIDPKLRI AAETELNQSY KIINFAPSLL RIIVSDHVEF PVRQAAAIYL KNMVTQYWPD REPPPGEVIF PFNIHENDRQ QIRDNIVEGI IRSPDLVRVQ LTMCLRVIIR HDFPGHWPAV VDKIDYYLQS PNSGSWLGSL LCLYQLVKTY EYKKAEEREP LLAAMQIFLP RIQQQILQLL PDASHYSVLL QKQILKIFYA LVQYALPLQL VNHQTMTTWM EIFRTIIDRT VPPETLQIDE DDRPELVWWK CKKWALHIVA RLFERYGSPG NVTKEYFEFS EFFLKTYAVG IQQVLLKILD QYRQKEYIAP RVLQQAFNYL NQGVVHAVTW KQMKPHIQNI SEDVIFSVMC YKDEDEELWQ EDPYEYIRMK FDIFEDYASP TTAAQTLLYT AAKKRKEVLP KMMAFCYQIL TDPNFDPRKK DGALHVIGSL AEILLKKSLF KDQIELFLQN HVFPLLMSNL GYLRARSCWV LHAFSSLKFH NELNLRNAVE LAKKSLIEDE EMPVKVEAAL ALQSLISNQA QAKEHMKPYV RFIMQELLHI VRETENDDVT NVIQKLICEY SQDVASIAVD TTQHLAEIFG KVLQSDEYEE IEDKTVMAMG ILHTIDTILT VVEDHPEIIQ QLENICLRII DLVLQKHVIE FYEEILSLAY NLTCHTISPQ

Product Details

	MWQLLGILYE VFQQDCFEYF TDMMPLLHNY VTVDTNALLS NPKHLEVLFT MCRKVLCGEA GEDAECYAAK LLEVIILQCK GRGIDQCIPL FIQLVLERLT RGVKTSELRT MCLQVAIAAL YYSPELLFHT LEQVQLPHNP GPVTSQFINQ WMNDTDYFLG HHDRKMCIIG LSVLLELQNR PPAVDAVAAQ ILPSILFLFL GLKQVCATRQ TVNRENHSKA EKVDIEENEE ISSEEEEETS VSAQAMQSQI GRSEEEDDDD WDEEVLEETA LEGFSTPLDL DNSVDEYQFF TQALLTVQNR DAAWYQLLVA PLSEDQKRKL QEVYTLAEHR RTLAAGQFHI **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:	Importin 8 (IPO8)
Alternative Name:	Ipo8 (IPO8 Products)
Background:	Importin-8 (Imp8) (Ran-binding protein 8) (RanBP8),FUNCTION: Involved in nuclear protein import, either by acting as autonomous nuclear transport receptor or as an adapter-like protein in association with the importin-beta subunit KPNB1. Acting autonomously, may serve as receptor for nuclear localization signals (NLS) and promote translocation of import substrates

Target Details

	through the nuclear pore complex (NPC) by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. In vitro mediates the nuclear import of the signal recognition particle protein SRP19. May also be involved in cytoplasm-to-nucleus shuttling of a broad spectrum of other cargos, including Argonaute-microRNAs complexes, the JUN protein, RELA/NF-kappa-B p65 subunit, the translation initiation factor EIF4E and a set of receptor-activated mothers against decapentaplegic homolog (SMAD) transcription factors that play a critical role downstream of the large family of transforming growth factor beta and bone morphogenetic protein (BMP) cytokines. {ECO:0000250|UniProtKB:O15397}.
Molecular Weight:	117.1 kDa
UniProt:	Q7TMY7

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