

Datasheet for ABIN7564640

Importin 11 Protein (IPO11) (AA 1-975) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Importin 11 (IPO11)
Protein Characteristics:	AA 1-975
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Importin 11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ipo11 Protein expressed in mammalian cells.
Sequence:	<p>MDLNSASSVW LQVLTQATSQ DTAVLKPAEE QLKQWETQPG FYSVLLNIFT NHTLDINVRW</p> <p>LAVLYFKHGI DRYWRRVAPH ALSEEEKSTL RAGLITNFNE PINQIATQIA VLIAKVARLD</p> <p>CPRQWPELIP TLVESVKVQD DLRQHRALLT FYHVTKTLAS KRLAADRKLF YDLASGIYNF</p> <p>ACSLWNHHTD TFLQHVSSGN EAAVLSSLER TLLSLKVLRLK LTVNGFVEPH KNMEVMGFLH</p> <p>GIFERLKQFL ECSRSIGTDN VCRDRLEKTI ILFTKVLLDF LDQHPISFTP LIQRSLEFSV</p> <p>SYVFTEVGEG VTFERFIVQC MNLIKMIKVN YAYKPSKNFE DSSPETLEAH KIKMAFFTYT</p> <p>TLTEICRRLV SHYFLLTEEE LTMWEEDPEG FTVEETGGDS WKYSLRPCTE VLFIDIFHEY</p> <p>NQTLTPVLLE MMQTLEGPTN VEDMNALLIK DAVYNAVGLA AFELFDSVDF DQWFKTQLLP</p> <p>ELQVSHNRYK PLRRRVWLI GQWISVKFKS DLRPMLYEA CNLLQDQDLV VRIETATTLK</p> <p>LTVDDEFERT DQFLPYLETM FTLLFQLLQQ VTECDTKMHV LHVLSCVIER VNVQIRPYVG</p> <p>CLVQYLPLLW KQSEEHNMLR CAILTTLIHL VQGLGADSKN LYPFLLPVIQ LSTDVSQPPH</p> <p>VYLLEDGLEL WLVTLENSPC VTELLRIFQ NMSPLLELSS ENLRTCFKII NGYIFLSSTE</p>

Product Details

FLQTYAAGLC QSFYELLPEI TTEGQVQVLK VVENALKVNP VLGPQMFQRI LPCVFRGVIE
GERYPVVMMSI YLAVMGRVLL QNTSFFSSLL NEMGHEFNQE MDQLLGNVIE MWVDRMDNIT
QPERKKLSAL ALLSLLPSDN SVIQDKFCGI INISVEALHD VMTEDPETRT YKDCMLMSQH
EEPKVTEDEE PPTEQDKRKK MLALKDPVHT VSLQQFIYEK LKAQQEILGE QGFQSLMETV
DTEIVTQLQE FLQGF **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:	<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>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Importin 11 (IPO11)
Alternative Name:	Ipo11 (IPO11 Products)
Background:	Importin-11 (Imp11) (Ran-binding protein 11) (RanBP11),FUNCTION: Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is

Target Details

subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the 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 (By similarity). Mediates the nuclear import of RPL12, and of UBE2E3 (By similarity). {ECO:0000250, ECO:0000269|PubMed:11809816}.

Molecular Weight:	112.4 kDa
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UniProt:	Q8K2V6
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Pathways:	Protein targeting to Nucleus
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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.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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