

Datasheet for ABIN7554209

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:	Human
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>MDLNSASTVV LQVLTQATSQ DTAVLKPAEE QLKQWETQPG FYSVLLNIFT NHTLDINVRW</p> <p>LAVLYFKHGI DRYWRRVAPH ALSEEEKTTL RAGLITNFNE PINQIATQIA VLIAKVARLD</p> <p>CPRQWPELIP TLIESVKVQD DLRQHRALLT FYHVTKTLAS KRLAADRKLF YDLASGIYNF</p> <p>ACSLWNHHTD TFLQEVSSGN EAAILSSLER TLLSLKVLRLK LTVNGFVEPH KNMEVMGFLH</p> <p>GIFERLKQFL ECSRSIGTDN VCRDRLEKTI ILFTKVLLDF LDQHPFSFTP LIQRSLEFSV</p> <p>SYVFTEVGEG VTFERFIVQC MNLIKMIKVN YAYKPSKNFE DSSPETLEAH KIKMAFFTYT</p> <p>TLTEICRRLV SHYFLLTEEE LTMWEEDPEG FTVEETGGDS WKYSLRPCTE VLFIDIFHEY</p> <p>NQTLTPVLL EMMQTLQGPTN VEDMNALLIK DAVYNAVGLA AYELFDSVDF DQWFKNQLLP</p> <p>ELQVIHNRYK PLRRRVIWLI GQWISVKFKS DLRPMLYEA CNLLQDQDLV VRIETATTLK</p> <p>LTVDDEFERT DQFLPYLETM FTLLFQLLQQ VTECDTKMHV LHVLSCVIER VNMQIRPYVG</p> <p>CLVQYLPLLW KQSEEHNMLR CAILTTLIHL VQGLGADSKN LYPFLLPVIQ LSTDVSQPPH</p> <p>VYLLEDGLEL WLVTLENSPC IPELLRIFQ NMSPLLELSS ENLRTCFKII NGYIFLSSTE</p>

Product Details

FLQTYAVGLC QSFCELLKEI TTEGQVQVLK VVENALKVNP ILGPQMFQPI LPYVFKGIIE
GERYPVVMST YLGVMGRVLL QNTSFFSSLL NEMAHKFNQE MDQLLGNMIE MWVDRMDNIT
QPERRKLSAL ALLSLLPSDN SVIQDKFCGI INISVEGLHD VMTEDPETGT YKDCMLMSHL
ECPKVTEDDEE PPTEQDKRKK MLALKDPVHT VSLQQFIYEK LKAQQEMLGE 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: **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: 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 UBE2E3, and of RPL12 (By similarity). {ECO:0000250, ECO:0000269|PubMed:11032817}.

Molecular Weight: 112.5 kDa

UniProt: [Q9UI26](#)

Pathways: [Protein targeting to Nucleus](#)

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