

Datasheet for ABIN7555156

Importin 9 Protein (IPO9) (AA 1-729) (His tag)



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Overview

Quantity:	1 mg
Target:	Importin 9 (IPO9)
Protein Characteristics:	AA 1-729
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Importin 9 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RANBP9 Protein expressed in mammalian cells.
Sequence:	<p>MSGQPPPPPP QQQQQQQLS PPPPAALAPV SGVVLPPAPPA VSAGSSPAGS PGGGAGGEGEGL GAAAAALLH PPPPPPPATA APPPPPPPPP PPASAAAPAS GPPAPPGLAA GPGPAGGAPT PALVAGSSAA APFPHGDSAL NEQEKELQRR LKRLYPVAVDE QETPLPRWS PKDKFSYIGL SQNNLRVHYK GHGKTPKDA SVRATHPIPA ACGIYYFEVK IVSKGRDGYM GIGLSAQGVN MNRLPGWDKH SYGYHGDDGH SFCSSGTGQP YGPTFTTGDV IGCCVNLIIN TCFYTKNGHS LGIAFDLP NLYPTVGLQT PGEVDANFG QHPFVDIED YMREWRTKIQAQIDRFPIGD REGEWQTMIA KMVSSYLVHH GYCATAEAFA RSTDQTVLEE LASIKNRQRI QKLVLGRMG EAIETTQQLY PSLLERPNL LFTLKVRQFI EMVNGTDSEV RCLGGRSPKS QDSYPVSPRP FSSPSMSPSH GMNIHNLASG KGSTAHFSGF ESCSNGVISN KAHQSYCHSN KHQSSNLNVP ELNSINMSRS QQVNNFTSND VDMETDHYSN GVGETSSNGF LNGSSKHDHE MEDCDTEMEV DSSQLRRQLC GGSQAAIERM IHFGRELQAM SEQLRRDCGK NTANKKMLKD AFSLLAYSDP</p>

Product Details

WNSPVGNQLD PIQREPVCSA LNSAILETHN LPKQPPLALA MGQATQCLGL MARSGIGSCA
FATVEDYLH **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 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, Western Blot

Grade:

custom-made

Target Details

Target:

Importin 9 (IPO9)

Alternative Name:

RANBP9 ([IPO9 Products](#))

Background:

Ran-binding protein 9 (RanBP9) (BPM-L) (BPM90) (Ran-binding protein M) (RanBPM) (RanBP7),FUNCTION: May act as scaffolding protein, and as adapter protein to couple membrane receptors to intracellular signaling pathways (Probable). Acts as a mediator of cell spreading and actin cytoskeleton rearrangement (PubMed:18710924). Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1 (PubMed:29911972). May be involved in signaling of ITGB2/LFA-1 and other integrins (PubMed:14722085). Enhances HGF-MET signaling by recruiting Sos and activating the Ras pathway (PubMed:12147692). Enhances dihydrotestosterone-induced transactivation activity

Target Details

of AR, as well as dexamethasone-induced transactivation activity of NR3C1, but not affect estrogen-induced transactivation (PubMed:12361945, PubMed:18222118). Stabilizes TP73 isoform Alpha, probably by inhibiting its ubiquitination, and increases its proapoptotic activity (PubMed:15558019). Inhibits the kinase activity of DYRK1A and DYRK1B. Inhibits FMR1 binding to RNA. {ECO:0000269|PubMed:12147692, ECO:0000269|PubMed:12361945, ECO:0000269|PubMed:14500717, ECO:0000269|PubMed:14722085, ECO:0000269|PubMed:15381419, ECO:0000269|PubMed:15558019, ECO:0000269|PubMed:18222118, ECO:0000269|PubMed:18710924, ECO:0000269|PubMed:29911972, ECO:0000305}.

Molecular Weight: 77.8 kDa

UniProt: [Q96S59](#)

Pathways: [Protein targeting to Nucleus](#)

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