

Datasheet for ABIN7563581

JUP Protein (AA 1-745) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	JUP
Protein Characteristics:	AA 1-745
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JUP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Jup Protein expressed in mammalian cells.
Sequence:	<p>MEVMNLIEQP IKVTEWQQTY TYDSGIHSGV NTCVPSVSSK GIMDEDDACG RQYTLKKTIT</p> <p>YTQGV PQNQG DLEYQMSTTA RAKRVREAMC PGVSGEDSSL LLATQVEGQT TNLQRLAEPS</p> <p>QLLKSAIVHL INYQDDAELA TRALPELTKL LNDEDPVVVT KAAMIVNQLS KKEASRRALM</p> <p>GSPQLVAADV RTMQNTSDLD TARCTTSILH NLSHHREGLL AIFKSGGIPA LVRMLSSPVE</p> <p>SVLFYAITTL HNLLLYQEGA KMAVRLADGL QKMVPLLKNK NPKFLAITTD CLQLLAYGNQ</p> <p>ESKLILANG GPQGLVQIMR NYSYEKLLWT TSRVLKVLSV CPSNKPAIVE AGGMQALGKH</p> <p>LTSNSPRLVQ NCLWTLRNLS DVATKQEGLE SVLKILVNQL SVDDVNVLTG ATGTLSNLTC</p> <p>NNSKNKTLVT QNSGVEALIH AILRAGDKDD ITEPAVCALR HLTSRHPEAE MAQNSVRLNY</p> <p>GIPAIVKLLN QPNQWPLVKA TIGLIRNLAL CPANHAPLQE AAVIPRLVQL LVKAHQDAQR</p> <p>HVAAGTQQPY TDGVRMEEIV EGCTGALHIL ARDPMNRMEI FRLNTIPLFV QLLYSSVENI</p> <p>QRVAAGVLCE LAQDKEAADA IDAEGASAPL MELLHSRNEG TATYAAAVLF RISEDKNPDY</p>

Product Details

RKRVSVELTN SLFKHDPAAW EAAQSMIPIN EPYADDMDAT YRPMYSSDVP LDPLDMHMDL
DGDYPMDTYS DGLRPPYPTA DHMLA **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:	<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, Western Blot
Grade:	custom-made

Target Details

Target:	JUP
Alternative Name:	Jup (JUP Products)
Background:	Junction plakoglobin (Desmoplakin III) (Desmoplakin-3),FUNCTION: Common junctional plaque protein. The membrane-associated plaques are architectural elements in an important strategic position to influence the arrangement and function of both the cytoskeleton and the cells within the tissue. The presence of plakoglobin in both the desmosomes and in the intermediate junctions suggests that it plays a central role in the structure and function of submembranous plaques. Acts as a substrate for VE-PTP and is required by it to stimulate VE-cadherin function in endothelial cells. Can replace beta-catenin in E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton. {ECO:0000269 PubMed:19015309}.
Molecular Weight:	81.8 kDa

Target Details

UniProt: [Q02257](#)

Pathways: [Cell-Cell Junction Organization, Maintenance of Protein Location](#)

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