

Datasheet for ABIN7559265  
**IQUB Protein (AA 1-788) (His tag)**



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## Overview

Quantity:	1 mg
Target:	IQUB
Protein Characteristics:	AA 1-788
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IQUB protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Iqub Protein expressed in mammalian cells.
Sequence:	<p>MSDPEEERVA DSTAHYEEAG KVISIPRPSD EAEGSDVMPE QDDEVQELTT ESEENVERHS EFSLSTPKSD DSKPREEVTS LGSASGSQDQ DYRLLDYQKG EDELLFLHK IKAIKETLQT SVRESIATVK IVLIPAGQEI IMPFRVDAPF RFLKEHFAHL LHIPHYVLQI THEGIIVGNN ESLIQYGIKP QEIVQVEVFS TLPDQYPVRR IEGLSEGSQI ITVTIQTSID RYEEVAVEII KSDFHKPFLG GFRHKITGLE YHNAGTQTVR RKIPEKDNLF CRDTQTVFQK KKLQTTNTT STQMTKIGVY VSNMTDKLLK PGNYFSAAEY HARRLHAVIV IQTSYRRWHA KRYVESLRKQ KKLRLWEEEE QELLKIQEKE EWIRMDYYRR HNPKTTEDFE LLYNALELWR QEEVEQICHY SSEAERKAAL CELLEKETQM IASIGRHRSA ARMERQDAAI QAFLDKCSAP NVWRRGDGKT IEMDTQFTIR ARELQSIYKC ILLKDLSQDE RLDILLTLKH TVKEHECKLT QEILELIDRE VDLMMRGVVKP HNLEGLRKRI TTLFIHIYKT PLFNPEVAKY LKVPQDPLKF YDTIYFCHSC QNYLPSVEFS VSPTSHRVYR CRHCINLENE TQRRESFLKY KCLLQRLYYS EADYGDNSQI AFLMQLQDIK YLTENIWASQ</p>

## Product Details

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SALSAWDDLN DLVMVRWDKH VEWSPWNCIL LTKDESTAHL RLPSIEKGYG HHFVHKIKHK  
HILAKNYFSQ IPTLASLILN DDEVEDIRSK HSTKSPPKII ITRRIQPH **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

IQUB

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### Alternative Name:

Iqub ([IQUB Products](#))

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### Background:

IQ motif and ubiquitin-like domain-containing protein,FUNCTION: Anchors the radial spoke 1 (RS1) complex to the A microtubule of outer doublet microtubules in axonemes (PubMed:36417862, PubMed:36355624). The triple radial spokes (RS1, RS2 and RS3) are required to modulate beating of the sperm flagellum (PubMed:36417862, PubMed:36355624). May play a role in inhibiting signaling via MAPK1/ERK2 and MAPK3/ERK1 (PubMed:36355624). Additionally, may play a role in the functioning of cilia (PubMed:21289087). Not required for the functioning of tracheal or ependymal cilia (PubMed:36417862).  
{ECO:0000269|PubMed:21289087, ECO:0000269|PubMed:36355624,

## Target Details

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ECO:0000269|PubMed:36417862}.

Molecular Weight: 92.1 kDa

UniProt: [Q8CDK3](#)

## Application Details

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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

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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