

Datasheet for ABIN7556089  
**TJP2 Protein (AA 1-1190) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TJP2
Protein Characteristics:	AA 1-1190
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TJP2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TJP2 Protein expressed in mammalian cells.
Sequence:	MPVRGDRGFP PRRELSGWLR APGMEELIWE QYTVTLQKDS KRGFIAVSG GRDNPHFENG ETSIVISDVL PGGPADGLLQ ENDRVVMVNG TPMEDVLHSF AVQQLRKSGK VAAIVVKRPR KVQVAALQAS PPLDQDDRAF EVMDEFDGRS FRSGYSERSR LNSHGGRSRS WEDSPERGRP HERARSRERD LSRDRSRGRS LERGLDQDHA RTRDRSRGRS LERGLDHDFG PSRDRDRDRS RGRSIDQDYE RAYHRAYDPD YERAYSPEYR RGARHDARSR GPRSRREHP HSRSPSPEPR GRPGPIGVLL MKSRANEEYG LRLGSQIFVK EMTRTGLATK DGNLHEGDII LKINGTVTEN MSLTDARKLI EKSRGKLQLV VLRDSQQTLI NIPSLNDSDS EIEDISEIES NRSFSPEERR HQYSDYDYHS SSEKLKERPS SREDTPSRLS RMGATPTPFK STGDIAGTVV PETNKEPRYQ EDPPAPQPKA APRTFLRSP EDEAIYGPNT KVMRFKKGDS VGLRLAGGND VGIFVAGIQE GTSAEQEGLQ EGDQILKVNT QDFRGLVRED AVLYLLEIPK GEMVTILAQS RADVYRDILA CGRGDSFFIR SHFECEKETP QSLAFTRGEV FRVVDTLYDG KLG NWLAVRI GNELEKGLIP NKSRAEQMAS VQNAQRDNAG DRADFWRMRG QRSGVKKNLR KSREDLTAVV SVSTKFPAYE

## Product Details

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RVLLREAGFK RPVVLFGPIA DIAMEKLANE LPDWFQTAKT EPKDAGSEKS TGVVRLNtvr  
QIIQDKHAL LDVTPKAVDL LNYTQWFPIV IFFNPDSRQG VKTMRQLNPN TSNKSSRKLF  
DQANKLKKTC AHLFTATINL NSANDSWFGS LKDTIQHQQG EAVVWVSEGKM EGMDDDPEDR  
MSYLTAMGAD YLSCDSRLIS DFEDTDGEGG AYTDNELDEP AEEPLVSSIT RSSEPVQHEE  
SIRKPSPEPR AQMRRAASSD QLRDNSPPPA FKPEPPKAKT QNKEESYDFS KSYEYKSNPS  
AVAGNETPGA STKGYPPIVA AKPTFGRSIL KPSTPIPPQE GEEVGESSEE QDNAPKSVLG  
KVKIFEKMDH KARLQRMQEL QEAQNARIEI AQKHPDIYAV PIKTHKPDGP TPQHTSSRPP  
EPQKAPSRPY QDTRGSYGSD AEEEEYRQQL SEHSKRGYYG QSARYRDEL **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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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.

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: TJP2

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Alternative Name: TJP2 ([TJP2 Products](#))

## Target Details

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Background: Tight junction protein ZO-2 (Tight junction protein 2) (Zona occludens protein 2) (Zonula occludens protein 2),FUNCTION: Plays a role in tight junctions and adherens junctions (By similarity). Acts as a positive regulator of RANKL-induced osteoclast differentiation, potentially via mediating downstream transcriptional activity (By similarity).  
{ECO:0000250|UniProtKB:Q9Z0U1}.

Molecular Weight: 134.0 kDa

UniProt: [Q9UDY2](#)

## Application Details

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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

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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