

Datasheet for ABIN7550902

## Oct-2 Protein (AA 1-479) (His tag)



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### Overview

Quantity:	1 mg
Target:	Oct-2 (POU2F2)
Protein Characteristics:	AA 1-479
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oct-2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant POU2F2 Protein expressed in mammalian cells.
Sequence:	<p>MVHSSMGAPE IRMSKPLEAE KQGLDSPSEH TDTERNGPDT NHQNPQNKTS PFSVSPTGPS            TKIKAEDPSG DSAPAAPLPP QPAQPHLPQA QLMLTGSQLA GDIQQLQLQ QLVLPVGHHL            QPPAQFLLPQ AQQSQPGLLP TPNLFQLPQQ TQGALLTSQP RAGLPTQAVT RPTLPDPHLS            HPQPPKCLEP PSHPEEPSDL EELEQFARTF KQRRIKLGFT QGDVGLAMGK LYGNDFSQTT            ISRFEALNLS FKNMCKLKPL LEKWLNDAET MSVDSSLSPSP NQLSSPSLGF DGLPGRRRKK            RTSIETNVRF ALEKSFLANQ KPTSEEILLI AEQLHMEKEV IRVWFCNRRQ KEKRINPCSA            APMLPSPGKP ASYSPHMTVP QGGAGTLPLS QASSSLSTTV TTLSSAVGTL HPSRTAGGGG            GGGGAAPPLN SIPSVTPPPP ATTNSTNPSP QGSHSAIGLS GLNPSTGPGL WWPAPYQP</p> <p><b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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:

Oct-2 (POU2F2)

### Alternative Name:

POU2F2 ([POU2F2 Products](#))

### Background:

POU domain, class 2, transcription factor 2 (Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2) (Octamer-binding protein 2) (Oct-2) (Octamer-binding transcription factor 2) (OTF-2), FUNCTION: Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3') (PubMed:2904654, PubMed:7859290). Regulates IL6 expression in B cells with POU2AF1 (By similarity). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression (PubMed:2901913, PubMed:2904654). Modulates transcription transactivation by NR3C1, AR and PGR (PubMed:10480874). {ECO:0000250|UniProtKB:Q00196, ECO:0000269|PubMed:10480874, ECO:0000269|PubMed:2328728, ECO:0000269|PubMed:2901913, ECO:0000269|PubMed:2904654, ECO:0000269|PubMed:7859290}., FUNCTION: [Isoform 5]: Activates the U2 small nuclear RNA (snRNA) promoter. {ECO:0000269|PubMed:1739980}.

### Molecular Weight:

51.2 kDa

## Target Details

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UniProt: [P09086](#)

## 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