

Datasheet for ABIN7550791  
**POU3F3 Protein (AA 1-500) (His tag)**



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## Overview

Quantity:	1 mg
Target:	POU3F3
Protein Characteristics:	AA 1-500
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POU3F3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant POU3F3 Protein expressed in mammalian cells.
Sequence:	MATAASNPYL PGNSLLAAGS IVHSDAAGAG GGGGGGGGGG GGGAGGGGGG MQPGSAAVTS GAYRGDPSSV KMVQSDFMQG AMAASNGGHM LSHAHQWVTA LPHAAAAAAA AAAAAVEASS PWGSAVGMA GSPQPPQPP PPPQGPDKV GGAGRDDLHA GTALHHRGPP HLGPPPPPPH QGHPGGWGAA AAAAAAAAAA AAAHLPSMA GGQPPPPQSL LYSQPGGFTV NGMLSAPPGP GGGGGAGGG AQLVHPGLV RGDTPELA EH HHHHHHHHAHP HPPHPHHAQG PPHHGGGGGG AGPGLNSHDP HSDPTPTSD DLEQFAKQFK QRRIKLFTQ ADVGLALGTL YGNVFSQTTI CRFEALQLSF KNMCKLKPLL NKWLEEADSS TGSPTSIDKI AAQGRKRKKR TSIEVSVKGA LESHFLKCPK PSAQEITNLA DSLQLEKEVV RVWFCNRRQK EKRMTPPGIQ QQTDDVYSQ VGTVSADTPP PHHGLQTSVQ <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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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

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### Target:

POU3F3

### Alternative Name:

POU3F3 ([POU3F3 Products](#))

### Background:

POU domain, class 3, transcription factor 3 (Brain-specific homeobox/POU domain protein 1) (Brain-1) (Brn-1) (Octamer-binding protein 8) (Oct-8) (Octamer-binding transcription factor 8) (OTF-8),FUNCTION: Transcription factor that acts synergistically with SOX11 and SOX4. Plays a role in neuronal development (PubMed:31303265). Is implicated in an enhancer activity at the embryonic met-mesencephalic junction, the enhancer element contains the octamer motif (5'-ATTTGCAT-3') (By similarity). {ECO:0000250|UniProtKB:P31361, ECO:0000250|UniProtKB:Q63262, ECO:0000269|PubMed:31303265}.

### Molecular Weight:

50.3 kDa

### UniProt:

[P20264](#)

## 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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