

Datasheet for ABIN7562315  
**PSMA Protein (AA 1-752) (His tag)**



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3 Images

## Overview

Quantity:	1 mg
Target:	PSMA (FOLH1)
Protein Characteristics:	AA 1-752
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Folh1 Protein expressed in mammalian cells.
Sequence:	<p>MWNALQDRDS AEVLGHRQRW LRVGTLVLAL TGTFLIGFLF GWFIKPSNEA TGNVSHSGMK</p> <p>KEFLHELKAE NIKKFLYNFT RTPHLAGTQN NFELAKQIHD QWKEFGDLV ELSHYDVLLS</p> <p>YPNKTHPNYI SIINEDGNEI FKTSLSEQPP PGYENISDVV PPYSAFSPQG TPEGDLVYVN</p> <p>YARTEDFFKL EREMKISCSG KIVIARYGKV FRGNMVKNAQ LAGAKGMILY SDPADYFVPA</p> <p>VKSYPDGWNL PGGGVQRGV LNLNGAGDPL TPGYPANEHA YRHELTNAVIG LPSIPVHPIG</p> <p>YDDAQKLEH MGGPAPPDSS WKGGLKVPYN VGPFGAGNFS TQKVKMHIHS YTKVTRIYNV</p> <p>IGTLKGALEP DRYVILGGHR DAWVFGGIDP QSGAAVVHEI VRSFGTLKKK GRRPRRTILF</p> <p>ASWDAEEFGL LGSTEWAEH SRLLQERQVA YINADSSIEG NYTLRVDCTP LMYSLVYNLT</p> <p>KELQSPDEGF EGKSLYDSWK EKSPSPEFIG MPRISKLGS NDFEVFFQRL GIASGRARYT</p> <p>KNWKTNKVSS YPLYHSVYET YELVVKFYDP TFKYHLTVAQ VRGAMVFELA NSIVLPFDCQ</p> <p>SYAVALKKYA DTIYNISMKH PQEMKAYMIS FDSLFSAVNN FTDVASKFNQ RLQELDKSNP</p> <p>ILLRIMNDQL MYLERAFIDP LGLPGRPFYR HIIYAPSSH N KYAGESFPGI YDALFDISSK</p>

VNASKAWNEV KRQISIAFTFT VQAAAETLRE VA **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.**

**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.

**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:** PSMA (FOLH1)

**Alternative Name:** Folh1 ([FOLH1 Products](#))

**Background:** Glutamate carboxypeptidase 2 (EC 3.4.17.21) (Folate hydrolase 1) (Folypoly-gamma-glutamate carboxypeptidase) (FGCP) (Glutamate carboxypeptidase II) (GCPII) (Membrane glutamate carboxypeptidase) (mGCP) (N-acetylated-alpha-linked acidic dipeptidase I) (NAALADase I) (Prostate-specific membrane antigen homolog) (Pteroylpoly-gamma-glutamate carboxypeptidase),FUNCTION: Has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Has a preference for tri-alpha-glutamate peptides (By similarity). In the intestine, required for the uptake of folate. In the brain, modulates excitatory

## Target Details

neurotransmission through the hydrolysis of the neuropeptide, N-aceylaspartylglutamate (NAAG), thereby releasing glutamate. {ECO:0000250}., FUNCTION: Also exhibits a dipeptidyl-peptidase IV type activity. In vitro, cleaves Gly-Pro-AMC. {ECO:0000250}.

Molecular Weight: 84.6 kDa

UniProt: [O35409](#)

## Application Details

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

Format: Liquid

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

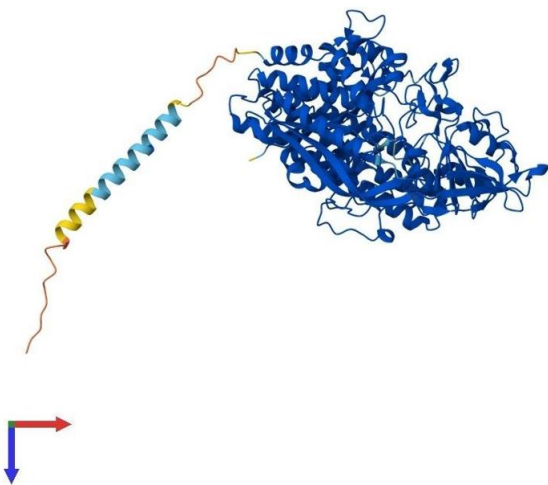
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

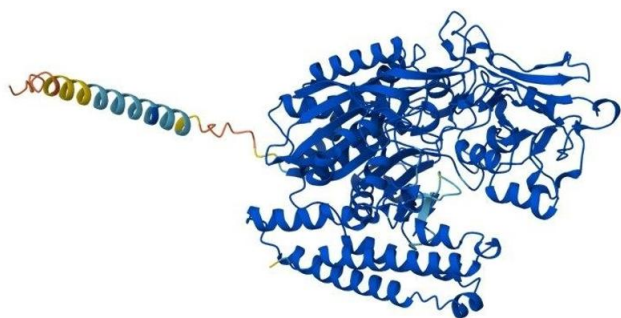
Expiry Date: 12 months

## Images



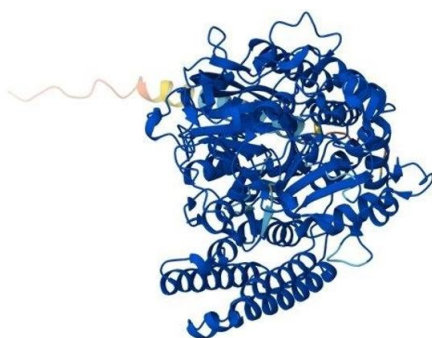
### Protein Structure

**Image 1.** AlphaFold protein structure prediction of Mouse Recombinant Folh1 Protein, UniProtID O35409



#### Protein Structure

**Image 2.** AlphaFold protein structure prediction of Mouse Recombinant Folh1 Protein, UniprotID O35409



#### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Mouse Recombinant Folh1 Protein, UniprotID O35409