

Datasheet for ABIN7092711 PSMA Protein (mFc Tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	PSMA (FOLH1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant human PSMA protein with N-terminal mouse Fc tag
Specificity:	MFc (Pro99-Lys330) PSMA (Lys44-Ala750)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	PSMA (FOLH1)
Alternative Name:	PSMA (FOLH1 Products)
Background:	This gene encodes a type II transmembrane glycoprotein belonging to the M28 peptidase family. The protein acts as a glutamate carboxypeptidase on different alternative substrates, including the nutrient folate and the neuropeptide N-acetyl-l-aspartyl-l-glutamate and is

Target Details

expressed in a number of tissues such as prostate, central and peripheral nervous system and kidney. A mutation in this gene may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. In the prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer. This gene likely arose from a duplication event of a nearby chromosomal region. Alternative splicing gives rise to multiple transcript variants encoding several different isoforms.

Molecular Weight: predicted molecular mass of 105.8 kDa after removal of the signal peptide. The apparent molecular mass of mFc-PSMA is 130 kDa due to glycosylation.

Gene ID: 2346

UniProt: [Q04609](#)

Application Details

Restrictions: For Research Use only

Handling

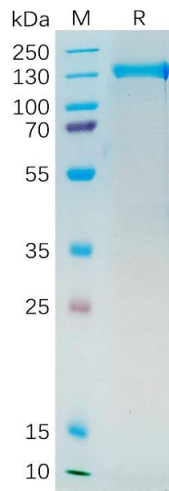
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human PSMA Protein, mFc Tag on SDS-PAGE under reducing condition.