

Datasheet for ABIN7479196

PSMA7 Protein (AA 5-232, partial) (GST tag)



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1 Image

Overview

Quantity:	100 µg
Target:	PSMA7
Protein Characteristics:	AA 5-232, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA7 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	RAITVFSPDG HLFQVEYAE AVKKGSTAVG VRGRDIVVLG VEKKSVAKLQ DERTVRKICA LDDNVCMAFA GLTADARIVI NRARVECQSH RLTVEDPVTY EYITRYIASL KQRYTQSNR RPFGISALIV GFDFDGTPLR YQTDPSGTYH AWKANAIGRG AKSVREFLEK NYTDEAIETD DLTIKLVIKA LLEVQSGGK NIELAVMRRD QSLKILNPPE IEKYVAEI
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	95 %

Target Details

Target:	PSMA7
Alternative Name:	Proteasome subunit alpha type-7 protein (PSMA7 Products)

Target Details

Background:	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. Plays an important role in the regulation of cell proliferation or cell cycle control, transcriptional regulation, immune and stress response, cell differentiation, and apoptosis. Interacts with some important proteins involved in transcription factor regulation, cell cycle transition, viral replication and even tumor initiation and progression. Inhibits the transactivation function of HIF-1A under both normoxic and hypoxia-mimicking conditions. The interaction with EMAP2 increases the proteasome-mediated HIF-1A degradation under the hypoxic conditions. Plays a role in hepatitis C virus internal ribosome entry site-mediated translation. Mediates nuclear translocation of the androgen receptor (AR) and thereby enhances androgen-mediated transactivation. Promotes MAVS degradation and thereby negatively regulates MAVS-mediated innate immune response.
Molecular Weight:	52.8 kD
UniProt:	O14818
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

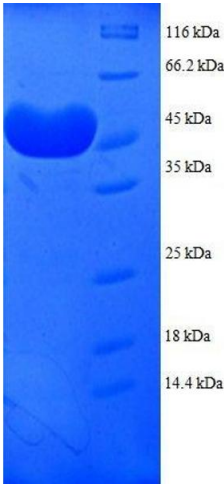
Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL

Handling

Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Images



SDS-PAGE

Image 1. Proteasome (Prosome, Macropain) Subunit, alpha Type, 7 (PSMA7) (AA 5-232), (partial) protein (GST tag)