

Datasheet for ABIN5712137

**PSMA7 Protein (AA 44-275, partial) (GST tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	PSMA7
Protein Characteristics:	AA 44-275, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA7 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	TTIAGVYKD GIVLGADTRA TEGMVVADKN CSKIHFISPN IYCCGAGTAA DTDMTTQLIS SNLELHSLST GRLPRVVTAN RMLKQMLFRY QGYIGAALVL GGVDVTGPHL YSIYPHGSTD KLPYVTMGSG SLAAMAVFED KFRPDMEEEE AKNLVSEAIA AGIFNDLGSG SNIDL CVISK NKLDFLRPYT VPNNKGTRLG RYRCEKGT TA VLTEKITPLE IEVLEETVQT MD
Purification:	SDS-PAGE
Purity:	> 90 %

## Target Details

Target:	PSMA7
Alternative Name:	PSA7 ( <a href="#">PSMA7 Products</a> )
Background:	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to

## Target Details

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 AP2 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: 52.5 kDa

UniProt: [O14818](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

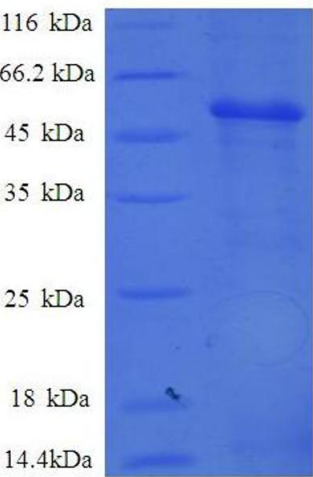
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



**SDS-PAGE**

**Image 1.**