Datasheet for ABIN667572

PSMA2 Protein (AA 1-234) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	PSMA2
Protein Characteristics:	AA 1-234
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	PSMA2, 1-234aa, Human, His tag, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	PSMA2
Alternative Name:	PSMA2 (PSMA2 Products)
Background:	PSMA2, also known as proteasome subunit alpha type-2, 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. PSMA2, belonged to the peptidase T1A family, is a 20S core alpha subunit of proteasome. This protein serves as docking domains for the regulatory particles and exterior gates blocking unregulated access to the interior cavity.

Target Details

	Recombinant human PSMA2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Synonyms: Proteasome subunit alpha type-2, HC3, MU, PMSA2, PSC2. NCBI no.: NP_002778
Molecular Weight:	28.0 kDa (254aa), confirmed by MALDI-TOF
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

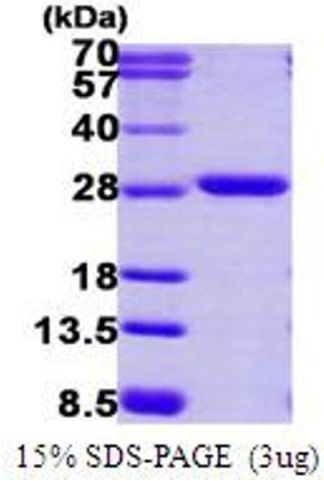
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/ml (determined by Bradford assay)
Buffer:	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.1M NaCl,1mM DTT, 0.1mM PMSF
Storage:	4 °C

Images



SDS-PAGE

Image 1.

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