Datasheet for ABIN7279563

PSMB10 Protein (AA 40-273) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	PSMB10
Protein Characteristics:	AA 40-273
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMB10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	PSMB10, 40-273aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	PSMB10
Alternative Name:	PSMB10 (PSMB10 Products)
Background:	PSMB10 is a member of the proteasome B-type family, also known as the T1B family, which is a 20S core beta subunit. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits, 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration

Target Details

	and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. Expression of the PSMB10 gene is induced by gamma interferon, and PSMB10 replaces catalytic subunit 2 (proteasome beta 7 subunit) in the immunoproteasome. Recombinant human PSMB10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Synonyms: Proteasome subunit beta type-10, LMP10, MECL1. NCBI no.: NP_002792
Molecular Weight:	26.9 kDa (255aa), confirmed by MALDI-TOF
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

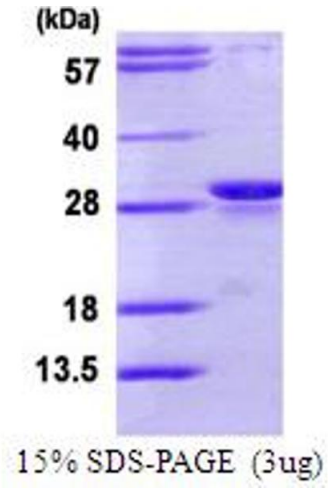
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/ml (determined by Bradford assay)
Buffer:	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.1M NaCl
Storage:	4 °C

Images



SDS-PAGE

Image 1.