

Product datasheet for RC212390L3

PSMB11 (NM_001099780) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMB11 (NM_001099780) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	PSMB11
Synonyms:	BETA5T
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212390).
Restriction Sites:	SgfI-RsrII
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

ACCN:	NM_001099780
ORF Size:	900 bp



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001099780.1
RefSeq Size:	1894 bp
RefSeq ORF:	903 bp
Locus ID:	122706
UniProt ID:	A5LHX3
Cytogenetics:	14q11.2
Protein Pathways:	Proteasome
MW:	32.3 kDa
Gene Summary:	Proteasomes generate peptides that are presented by major histocompatibility complex (MHC) I molecules to other cells of the immune system. Proteolysis is conducted by 20S proteasomes, complexes of 28 subunits arranged as a cylinder in 4 heteroheptameric rings: alpha-1 to -7, beta-1 to -7, beta-1 to -7, and alpha-1 to -7. The catalytic subunits are beta-1 (PSMB6; MIM 600307), beta-2 (PSMB7; MIM 604030), and beta-5 (PSMB5; MIM 600306). Three additional subunits, beta-1i (PSMB9; MIM 177045), beta-2i (PSMB10; MIM 176847), and beta-5i (PSMB8; MIM 177046), are induced by gamma-interferon (IFNG; MIM 147570) and are preferentially incorporated into proteasomes to make immunoproteasomes. PSMB11, or beta-5t, is a catalytic subunit expressed exclusively in cortical thymic epithelial cells (Murata et al., 2007 [PubMed 17540904]).[supplied by OMIM, Mar 2008]