

Product datasheet for RC233363

Proteasome subunit beta type 2 (PSMB2) (NM_001199779) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Proteasome subunit beta type 2 (PSMB2) (NM_001199779) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Proteasome subunit beta type 2
Synonyms: HC7-I
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233363 representing NM_001199779
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTACCTCATCGATCATGACAAGATGTTTAAGATGAGTGAAAAGATATTACTCCTGTGTGTTGGAG
 AGGCTGGAGACTGTACAGTTTGCAGAATATATTCAGAAAAACGTGCAACTTTATAAGATGCGAAATGG
 ATATGAATTGTCTCCACGGCAGCAGCTAACTTACACGCCGAAACCTGGCTGACTGTCTTCGGAGTCGG
 ACCCATATCATGTGAACCTCCTCTGGCTGGCTATGATGAGCATGAAGGGCCAGCGCTGTATTACATGG
 ACTACCTGGCAGCCTTGGCCAAGGCCCTTTTGCAGCCACGGCTATGGTGCCTTCTGACTCTCAGTAT
 CCTCGACCGATACTACACACCGACTATCTCACGTGAGAGGGCAGTGGAACCTTTCAGGAAATGTCTGGAG
 GAGCTCCAGAAACGCTTTCATCTGAATCTGCCAACCTTTCAGTGTTTCAATCATTGACAAAAATGGCATCC
 ATGACCTGGATAACATTTCTTCCCAACAGGGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233363 representing NM_001199779
 Red=Cloning site Green=Tags(s)

MEYLIDHDKMFKMSEKILLLCVGEAGDTVQFAEYIQKNVQLYKMRNGYELSPATAANFTRRNLADCLRSR
 TPYHVNLLLAGYDEHEGPALYYMDYLAALAKAPFAAHGYGAFLTLSILDYRYTPTISRERAVELLRKCLE
 ELQKRFILNLPFVSVRIIDKNGIHDLDNISFPKQGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

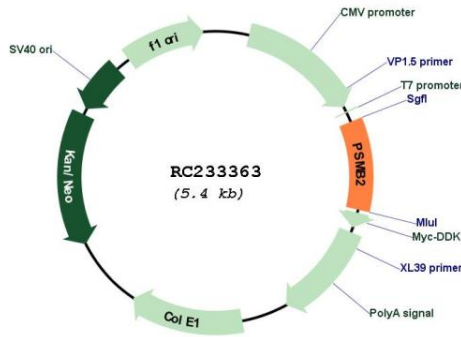


Protein Pathways: Proteasome

MW: 20.7 kDa

Gene Summary: 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 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. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RC233363