

Product datasheet for MR201264

Tnfsf5ip1 (BC016606) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnfsf5ip1 (BC016606) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tnfsf5ip1
Synonyms: 1700017117Rik; AW545363; Clast3; Tnfsf5ip1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201264 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTTTCGTTCCCTGCGGGGAGTCGGTCCCCGACCTAACGAACTTTACTCCTGATGCCAGCAGTATCCG
 TTGAAATGTTGGCCAGCTTGAATAGATCAGATTATTTCTACTGAACATGTGAAGATTGGTTATTT
 CTACTGATTGCCTGGTCCAATGGTTGAAACAATCCATATGCAACTGAAGAAGAAAATTCAAATGAA
 CTCAGTATAAATACTGAAGTGTATTCCTACCGTCAAAGAAGCTAGTGGTGCTTCAGTTAAGTCCATCT
 TTATTAAGGTTAGTATGCTTGTCTTTTTAAGTTCATTAATGTATGGTGACAGAACACAGTCATTAGCACT
 AAGAATCAAGACTAATTTTATTATATTGTTTTATATACTTAGGAAAGGGCTTGATTTAATAAAGAATTC
 ATAATATTTTCAGGTGTGTTACTATCATTTCATTTTTATACTGAAAGAAATTGTGGATTATTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201264 protein sequence
 Red=Cloning site Green=Tags(s)

MFVPCGESVPLDNFTLLMPAVSVGNVQLAIDQIISTLNMCKIGYFYTDCLVPMVGNPNPYATEEENSNE
 LSINTEVYSLPSKLVVLQRLSIFIKVSMFLAFSSLMYGDRTQSLALRIKTNFIILFYILRKGLDLIKNF
 IIFQVCYHFIFILKEIVDYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: BC016606

ORF Size: 483 bp

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:**
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: [BC016606](#), [AAH16606](#)

RefSeq Size: 780 bp

RefSeq ORF: 485 bp

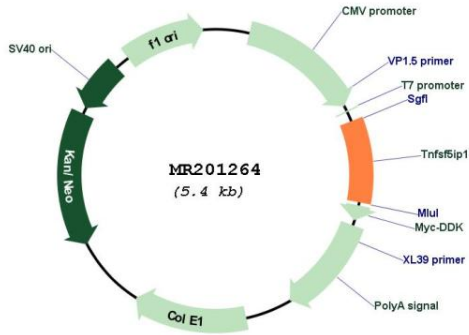
Locus ID: 107047

Cytogenetics: 18 E1

MW: 18.3 kDa

Gene Summary: Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201264