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Product datasheet for MR206115

Grasp (NM_019518) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grasp (NM_019518) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grasp
Synonyms:	tamalin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206115 representing NM_019518
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCTCCGCCGACTCAGGAAGCTGCAGCAGAAGGAGGAGGCGACTGCCGCGCCGGACCCCGCTGGCC
GGGCTCCCGACTCCGAAGCCGCTCGCGCCGCCCCGCTACCCTCCGGCCCTCCGGCTGCCGCCGCTCCGCC
CGGAGCCCCCGGGGAGGAGCTGTACGCAGCACTGGAGGACTATCACCCTGCCGAGCTGTACCGCGCGCTC
GCCGTGTCCGGGGGTACCCTGCCTCGCCGAAAGGGCTCAGGATTCCGTTGGAAGAATTTCACTCAGAGTC
CTGAACAGCAACGGAAGGTTCTAACTTTGGAGAAAGGGGACAACCAGACCTTTGGCTTCGAGATCCAGAC
ATATGGCCTTCACCACCGAGAGGAGCAGCGTGTAGAGATGGTGACCTTCGTCTGCCGAGTTCATGAATCC
AGCCCTGCCCAGCTGGCTGGGCTCACGCCAGGGGACACTATTGCCAGCGTCAACGGTCTCAACGTGGAAG
GCATCCGGCACCGGGAGATTGTCGATATCATCAAGGCGTCTGGCAACGTTCTCAGGCTGGAAACTCTGTA
CGGGACGTCCATTCGGAAGGCAGAACTGGAGGCGCGCCTGCAGTACCTTAAGCAAACCCTGTACGAGAAG
TGGGGAGAATACAGGTCACTTATGGTACAGGAGCAGCGGCTAGTACATGGCCTGGTGGTGAAAGACCCAA
GCATCTATGACACACTGGAGTCCGTGCGCTCCTGCCTCTACGGCGCAGGCTTGCTTCCCGGGTCGCTGCC
CTTTGGGCCTCTGCTCGCCGCGCCTGGGAGTGCCCGCGGGGGTGCGCGGCGGGCCAAAGGGGACACAGAC
GACGCCGTGTACCACACGTGCTTCTTTGGGGGCGCCGAGCCGCAGGCACTGCCACCCCCGCCACCCCCCG
CGCGCGCGTTAGGCCCGAGCTCCGCGGAGACCCCCGCGTCCGTGCTGTTTCCCGCACCTCGCTCCACGCT
CAGCCGCAGCGCCAGTGTGCGGTGCGCGGGCCCGGGCGGCGGCGGGGGCGCGCCGGGCGCACTCTGGACT
GAGGCCCGCGAGCAGGCCCTGTGTGGCGCCGGCCTACGCAAGACCAAGTACCGCAGCTTCCGCAGACGGC
TGCTCAAGTTCATCCCCGGACTCAACCGCTCCCTGGAGGAAGAGGAGAGCCAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>MR206115 representing NM_019518
Red=Cloning site Green=Tags(s)

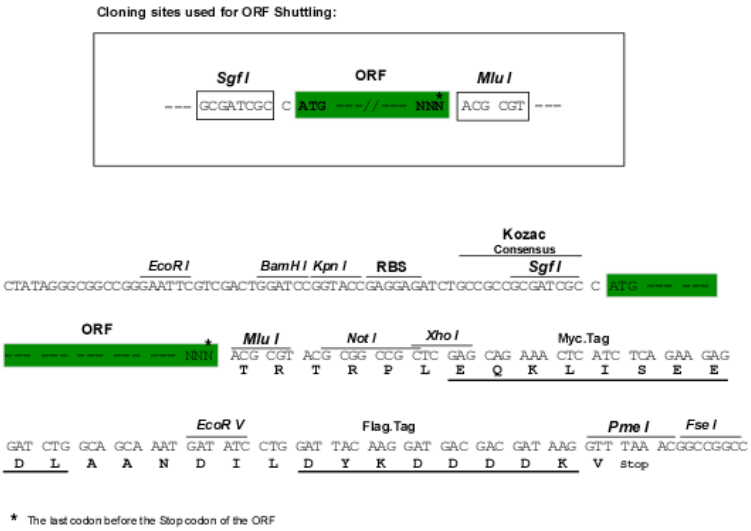
MTLRRLRKLQQKEEATAAPDPAGRAPDSEAARAAPLPSGPPAAAAPPGAPGEELYAALEDYHPAELYRAL
AVSGGTLPRRKGSGFRWKNFTQSPEQQRKVLTLEKGDNQTFGFEIQTYGLHHREEQRVEMVTFVCRVHES
SPAQLAGLTPGDTIASVNGLNVEGIRHREIVDIIKASGNVLRLETLYGTSIRKAELEARLQYLKQTLYEK
WGEYRSLMVQEQRLVHGLVVKDPSIYDTLESVRSCLYGAGLLPGSLPFGPLLAAPGSARGGARRAKGDTD
DAVYHTCFFGGAEPQALPPPPPPARALGPSSAETPASVLFPAPRSTLSRSASVRCAGPGGGGGAPGALWT
EAREQALCGAGLRKTKYRSFRRRLLKFIPGLNRSLEEEESQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019518

ORF Size: 1176 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: NM_019518.3, NP_062391.3

RefSeq Size: 2025 bp

RefSeq ORF: 1179 bp

Locus ID: 56149

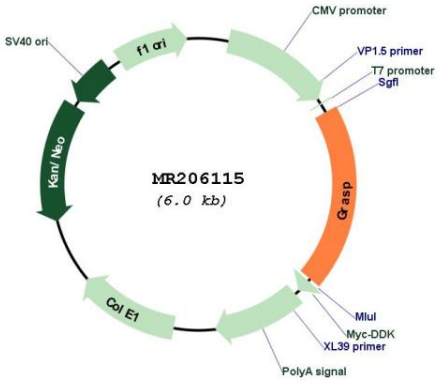
UniProt ID: Q9JJA9

Cytogenetics: 15 F1

MW: 42.3 kDa

Gene Summary: Plays a role in intracellular trafficking and contributes to the macromolecular organization of group 1 metabotropic glutamate receptors (mGluRs) at synapses.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206115