

Product datasheet for **MC221760**

Gripap1 (NM_207670) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gripap1 (NM_207670) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gripap1
Synonyms:	AI854681; DXImx47e; GRASP-1; mKIAA1167; Sfc10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221760 representing NM_207670
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCAAGCTCTGTCTGAAGAGGAGTTTCAACGGATGCAGACTCAGCTCCTGGAGCTCCGGACAATA
 ACTACCAGCTTTTCGGATGAACCTTCGGAAGAATGGTGTGAACCTTCCAGTCTTCGACAGAAGGTCGCCTA
 CCTGGATAAAGGAGTTCAGTAAAGCTCAAAAGGCACTAAGCAAGAGCAAGAAAGCTCAGGAAGTGGAGGTA
 CTGCTGAGTGAATAAGATGCTGCAGGCAAGCTGCACAGCCAGGAGGAGGACTCCGTTTGCAGAAACA
 GTACACTTATGGCCGAGTTCAGCAAGCTTTCAGCCAGCTGGAGCAGCTGGAGCTGGAAAACCGACAAC
 CAAGGAAGGCGTTCCTGGAGCAGCTGGAGCACATGTGGACGGGGAGCTGCTGAGGCTGCAGGCAGAGAAC
 ACAGCCTTGCAGAAGAACATGGCAGCACTGCAGGAACGCTATGGGAAAGAGGCTGTGAGGCCCTCTGCTG
 TTGGTGAAGGCCAAGGGATCCCCAGGAGACGTAATCCCCACTCCCTGGCTCCATGCCATTGGCAGA
 AGTGGAGCTGAAATGGGAAATGGAGCGAGAAGAAAAAATTGCTCTGGGAGCAGCTACAAGGCTTAGAG
 AGCTCAAAGCAAGCTGAAACCTCCAGACTACAGGAGGAACTTGCTAAGCTCTCTGAGAAATTTGAAAAAGA
 AACAAGAAAGTTTTTGGCGTCTGCAGACAGAGAAGGAAACACTGTTAATGACAGCAGAAACAAAATTTGA
 AGAATTGCAACAGCGGAAGGAGCTGATCTGAAAGCCAGTTGGCTCGCACCCAAAAACTACAGCAGGAA
 CTTGAGGCTGCCAATCAGAGTTTGGCAGAGCTAAGAGATCAGCGGCAGGGGGAGCGTCTGGAGCATGCAG
 CAGCGTTGCGGGCCCTACAAGATCAGATCCAGACAGCAAGACACAAGAACTGAATATGCTTCGGGAACA
 GACCAGTGAATTGGCATCTGAGTTACAGCATCGTCAAGCTGAATATGAAGAGCTTATGGGACAGAAAGAT
 GACCTCAACTCGCAGCTCCAGGAGTCGTTAAGGGCCAATAGCCGGCTGCTGGAACAACTCAAGAAATAG
 GGCAGGAGAAGGAGCAGCTAACCAGGATCTCCAGGAAGCTCGGAAGAGTCCGAGAAAAGGAAGTTCAT
 GCTGGATGAACTAGCCATGGAGACGCTGCAGGAGAAGTCCAGCACAAAGAAGAAGTGGGGCCGTCGCG
 TTACGGCACGAGAAGGAGCTGCTGGCGTGCAGCCGATACGAGCGTGAGCTTCGAGAAGTGCACGAGG
 ACAAGAAGCGGCAGGAGGAGGAGCTCCGGGGCAGATTGCTGAGGAGAAGGCTCGAACAAGGGAATTAGA
 AAATCTTCAGCACACAGTGAAGAACTCCAGGCTCAGGTACACTCCATGGATGGAGCCAAGGGCTGGTTT
 GAACGGCGCTTGAAGGAAGCTGAGGAATCTTTCAGCAGCAGCAACAGGAACAAGAGGAAACCTCAAGC
 TGTGCCGGGAGGAGCACGCCGCTGAGCTGAAGGGCAAGGATGAAGAGCTTCAAGATGTTCCGGAACAGCT
 CCAGCAGGCCAGGAGGAGGAGATGGCCACGTGAAGACCATCAGCAACCTGAAGCAGGAGGTAAGGAC
 ACAGTAGACGGGCAGCGCATCTGGAGAAGAAAGCAGCGCTGTGCTCAAAGATCTTAAGCGGCAGCTGC
 ACTTGGAGCGGAAACGGGCTGATAAGCTGCAGGAACGGCTGCAGGAGATCCTTACCAACAGCAAGAGCCG
 CACAGGCCTCGAGGAGCTGGTTCTGTCTGAGATGAACTACCAAGCAGGACCCAGACAGGGGACAGCAGT
 AGTGTCTCCTCCTCAGTACCAGGAGATCTTGAAGGAGAAGGAGAGTTAGCCATCCCAGCCAGGTTCTC
 TATCCAGCAGTCTCAGGCCAGCCCCCTCGGCCAGCAGAGCTGTGAGATGAGGAAGTGGCTGAGCTGTT
 TCAGAGGCTGGCCGAGACTCAGCAGGAAAAATGGATGCTAGAGGAGAAGGTGAAACACCTGGAGGTGAGC
 AGCGCCTCTATGGCGGAAGATCTCTGCCGAAAAGCGCCATCATTGAGACCTACGTCATGGACAGCCGGA
 TTGATGTGTCTGTGGCAGCAGGCCACACAGACCGAAGTGGGCTGGGCAGTGTCTGAGAGACCTAGTGAA
 GCCAGGCGATGAGAACCTTCGAGAAATGAACAAGAAGCTGCAGAACATGTTGGAGGAGCAACTACCAAG
 AACATGCACTTGACAAGGACATGGAAGTTCTATCCCAGGAAATTTGCGGCTCAGCAAGGAATGTGTGG
 GGTCCCCTGACCCAGACCTAGAAGCTGGAGAAGCCAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_207670
Insert Size: 2421 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_207670.2 , NP_997553.1
RefSeq Size:	2928 bp
RefSeq ORF:	2421 bp
Locus ID:	54645
UniProt ID:	Q8VD04
Cytogenetics:	X 3.51 cM
Gene Summary:	Regulates the endosomal recycling back to the neuronal plasma membrane, possibly by connecting early and late recycling endosomal domains and promoting segregation of recycling endosomes from early endosomal membranes. Involved in the localization of recycling endosomes to dendritic spines, thereby playing a role in the maintenance of dendritic spine morphology. Required for the activity-induced AMPA receptor recycling to dendrite membranes and for long-term potentiation and synaptic plasticity (By similarity). [UniProtKB/Swiss-Prot Function]