

Product datasheet for **MR221156**

Gorasp2 (NM_027352) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gorasp2 (NM_027352) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gorasp2
Synonyms:	0610011A07Rik; 2410043M02Rik; 5730520M13Rik; 9430094F20Rik; AW552058
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221156 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCCTCGCAGAGCGTCGAGATCCCGGGCGCGGCACCGAGGGCTACCACGTTTTGCGGGTACAGG
 AAAACTCCCAGGACACAGAGCTGGACTGGAGCCTTTCTTTGATTTTATTGTTTCTATTAACGGTTCAAG
 ATTAATAAAGACAATGACACTCTGAAGGATCTGCTGAAAGCCAACGTTGAGAAGCCTGTAATAATGCTC
 ATCTACAGCAGCAAAACCTGGAGCTGCGGGAGGCCTCGGTACACCGAGCAACTGTGGGGCGGCCAGG
 GCTTGTGGGGTTAGCATTCTGTTCTGACGCTTTGACGGGGCAACGAAACGTTTGGCATGTGCTGGA
 AGTGAATCCAATCCCCAGCAGCGCTGGCAGGATTGAGACCTCACAGTGATTACATCATTGGAGCTGAT
 ACCGTCATGAATGAGTCTGAAGACCTGTTGAGCCTTATTGAGACCCACGAAGCAAAGCCCCTGAAGCTCT
 ACGTGTACAACACAGACACAGACAACACTGCAGAGAAGTGATCATCACCAAACCTGTCATGGGGCGGAGA
 AGGCAGCCTTGGATGTGGCATTGGCTATGGTTATTTGCACCGAATACCTACACGCCCTTTGAAGAAGGA
 AAGAAGATTTCCCTCCAGGACAAATGACTGGTACCCCACTTACTCCTTAAGGATGGGTTTACAGAGG
 TCCAGCTGTCTTCAAGTCACTCCATCTTTGTCACCACCAGGAACACTACAGGAGTTGAGCAGAGTCTGTC
 TGGACTCTCCATTAGCTCGGCACCACCGCTGTGAGCAATGTTCTCAGTACAGGCGTACCAACTGTACCA
 TTGTTGCCGCCACAAGTAAACAGTCCCTTGTCTATGCCACCAATGAACCCAGCTACCACATTACCA
 GTCTGATGCCTTTGTGACAGGGCTGCCTAGCCTCCCAACCTCCCAGCCTCTCCAACCTCAACCTCCC
 TGCTCCGCACATCATGCCAGGGTGGTTTGCAGAGCTCGGGAGCCCGGTTTGCACCTCTTCCCTCC
 TTGCTCCCGAAACTTACCTGGCATTGCACCTCTCCCATGCTGTCGACTTCTCCCTGATTCCTCCCT
 TGGTCCAGAGGGCTCTTCTGACCCAGCCAGGGGAGCCGCTGTCTTCCCTTCTGATTCCTCCCTGCT
 TTCTGACCCTGTGATGACTACTGCAAAGGCAGACGCCTCTTCCCTCACTGTGGATGTGACGCTCCTGCT
 TCCAAGTCCCAACACTGTTGAGGACAGAGTCAAGGACTGCACCCCGCGTCGAGAAGCCTGTGCTG
 ATGCAGATGCTTCAGAGCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221156 protein sequence
 Red=Cloning site Green=Tags(s)

MGSSQSVEIPGGGTEGYHVLRVQENSPGHRAGLEPFFDFIVSINGSRLNKDNDTLKDLLKANVEKPVKML
 IYSSKLELREASVTPSNLWGGQGLLGVSRFCFDGANENVVHVEVESNSPAALAGLRPHSDYIIGAD
 TVMNESEDLFSLIETHEAKPLKLYVYNTDNDNCREVIIIPNSAWGEGSLGCGIGYLRHRIPTRFEEG
 KKIISLPGQMTGTPITPLKDFTEVQLSSVSPPSLSPGGTTGVEQSLSGLSISSAPPAVSNVLTGVPTVP
 LLPPQVNSLASMPMPNATTLPSLMPLSAGLPSLPNLPSLSNFNLPAPHIMPVGLPELGPGLPPLPS
 LPPRNLPGIAPLPLSDFLPSFPLVPEGSSAASAGEPLSSLPAMGPPSDPVMTTAKADASSLTVDVTSPA
 SKVPTTVEDRVSDCTPAVEKPVSDADASEPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

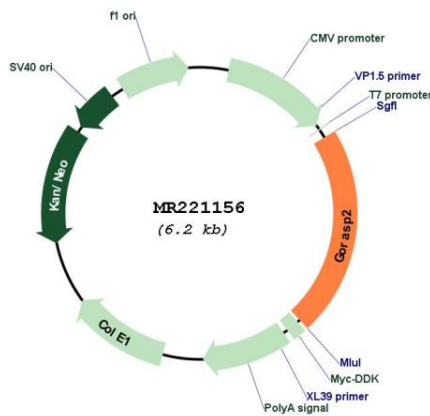
Sgfl-MluI

Cytogenetics: 2 C2

MW: 47 kDa

Gene Summary: Plays a role in assembly and membrane stacking of the Golgi cisternae, and in the process by which Golgi stacks reform after breakdown during mitosis and meiosis (PubMed:28617811). May regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA (By similarity). Required for normal acrosome formation during spermiogenesis and normal male fertility, probably by promoting colocalization of JAM2 and JAM3 at contact sites between germ cells and Sertoli cells (PubMed:28617811). Mediates ER stress-induced unconventional (ER/Golgi-independent) trafficking of core-glycosylated CFTR to cell membrane (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221156