

## Product datasheet for **MC216005**

### Gorasp2 (NM\_027352) Mouse Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >MC216005 representing NM\_027352  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCTCCTCGCAGAGCGTCGAGATCCCGGGCGCGGCACCGAGGGCTACCACGTTTTGCGGGTACAGG  
AAAACCTCCCAGGACACAGAGCTGGACTGGAGCCTTTCTTTGATTTTATTGTTTCTATTAACGGTTCAAG  
ATTAATAAAGACAATGACACTCTGAAGGATCTGCTGAAAGCCAACGTTGAGAAGCCTGTAAAAATGCTC  
ATCTACAGCAGCAAAACCTGGAGCTGCGGGAGGCCTCGGTACACCGAGCAACTGTGGGGCGGCCAGG  
GCTTGTGGGGTTAGCATTCTGTTCTGACGCTTTGACGGGGCCAACGAAACGTTTGGCATGTGCTGGA  
AGTGAATCCAATCCCCAGCAGCGCTGGCAGGATTGAGACCTCACAGTGATTACATCATTGGAGCTGAT  
ACCGTCATGAATGAGTCTGAAGACCTGTTGAGCCTTATTGAGACCCACGAAGCAAAGCCCTGAAGCTCT  
ACGTGTACAACACAGACACAGACAACACTGCAGAGAAGTGATCATCACCAAACCTGTCATGGGGCGGAGA  
AGGCAGCCTTGGATGTGGCATTGGCTATGGTTATTTGCACCGAATACCTACACGCCCTTTGAAGAAGGA  
AAGAAGATTTCCCTTCCAGGACAAATGACTGGTACCCCACTACTCCTCTTAAGGATGGGTTTACAGAGG  
TCCAGCTGTCTTCAGTCAGTCCCTCCATCTTTGTCACCACCAGGAACCTACAGGAGTTGAGCAGAGTCTGTC  
TGGACTCTCCATTAGCTCGGCACCACCGCTGTGACCAATGTTCTCAGTACAGGCGTACCAACTGTACCA  
TTGTTGCCGCCACAAGTAAACCAGTCCCTTGTCTATGCCACCAATGAACCCAGCTACCACATTACCA  
GTCTGATGCCTTTGTGACAGGGCTGCCTAGCCTCCCAACCTCCCAGCCTCTCCAACCTCAACCTCCC  
TGCTCCGCACATCATGCCAGGGTGGTTTCCAGAGCTCGGGAGCCCGGGTTTCCACCTCTTCCCTCC  
TTGCCCTCCCGAAACTTACCTGGCATTGCACCTCTCCCATGCTGTCGACTTCTCCCGTATTCCCTT  
TGGTTCAGAGGGCTCTTCTGCAGCCAGCGAGGGGAGCCGCTGCTTCCCTTCTGCCATGGGGCCACC  
TTCTGACCCTGTGATGACTACTGCAAGGCAGACGCCTCTTCCCTCACTGTGGATGTGACGTCTCCTGCT  
TCCAAGTCCCCACCCTGTTGAGGACAGAGTCAGCGACTGCACCCCGCCGTCGAGAAGCCTGTGTCTG  
ATGCAGATGCTTCAGAGCCTTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_027352

**Insert Size:** 1356 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:**

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\\_027352.4](#), [NP\\_081628.3](#)

RefSeq Size: 2287 bp

RefSeq ORF: 1356 bp

Locus ID: 70231

UniProt ID: [Q99JX3](#)

Cytogenetics: 2 C2

**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]

Transcript Variant: This variant (1) is the protein-coding transcript.