

Product datasheet for **MC222863**

Ganab (NM_008060) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ganab (NM_008060) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ganab
Synonyms:	AU042638; G2an; Glull; mKIAA0088
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222863 representing NM_008060
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCAATAGCGGCAGTGGCGGCGGTAGGAGGCGGTCTTGGTTAAGTTTGGTCTGGCATACTTAG
 GGGTCTGTCTGGGATTACACTTGTCTGGATAGAAGCAACTTTAAGACCTGTGATGAGAGTTCTTTTG
 CAAACGGCAGCGAAGCATTTCGGCCAGGCCCTCTCTCCTTACCGTGCCTTGTCTGGACTCTGCAGCTTGGT
 CCTGATGCTCTTACAGTCCATCTGATCCATGAAGTCACCAAGGTGCTGCTTGTCTGGAGCTCCAGGGCC
 TTCAGAAGAACATGACTCGGATCAGGATCGATGAGCTAGAGCCCCGGCGGCTCGATACCGAGTGCCAGA
 TGTTTTAGTGGCTGACCCCCCACAGCTAGGCTTTCAGTCTCTGGCCGTGATGACAACAGTGTGGAGCTA
 ACAGTGGCTGAGGGACCTACAAAATCATTTTGACAGCACAGCCATTCCGCCTTGACCTGCTAGAAGATC
 GAAGCCTCTGCTCAGTGTCAATGCCCGAGGACTTATGGCCTTTGAGCACCAGAGGGCCCCAGGGTCCC
 TTTCTCGATAAAGTTAGTCTCGCGCTCGGTAGCGTGTGGATAAGATCAAGAACCTTTTCTCTAGGCAA
 GAATCAAAAGACCCAGCTGAAGGCAATGGAGCCAGCCTGAAGCAACACCTGGGGATGGTACAAGCCAG
 AGGAGACCCAGGAAAAGGCTGAGAAGGATGAGCCAGGAGCCTGGGAGGAGACATTCAAAACACATTTCTGA
 CAGCAAGCCTTATGGCCCCACGTCTGTAGGTTTGGACTTTTCTCTGCCAGGAATGGAACATGTGTATGGG
 ATCCCTGAGCATGCTGACAGCCTGAGACTGAAGGTCACCTGAGGGCGGTGAGCCGTACCGCCTGTACAATT
 TGGATGTGTTCCAGTATGAGCTGAACAACCCATGGCTCTATATGGGTCTGTGCCTGTGCTCCTGGCACA
 CAGCTTTCATCGAGACCTGGGCATCTTCTGGCTTAATGCTGCTGAGACTTGGGTTGATATATCCTCCAAC
 ACGGCTGGGAAGACCCCTGTTGGGAAGATGCTTGATTACCTGCAGGGCTCTGGGGAGACTCCACAGACAG
 ACATTCTGTTGGATGTCAGAGAGTGGCATTATTGATGTTTTCTAATGCTTGGCCCTTCGGTTTTGATGT
 CTTTAGGCAGTATGCTAGTCTCACAGGGACCCAGGCATTGCCCCCACTTCTCCCTCGGCTATCACCAG
 AGTCGCTGGAACCTACCGGATGAGGCTGATGTTTTGGAAGTGGATCAGGGTTTTGATGATACAACATGC
 CTTGTGATGTCATTTGGTTGGACATTGAACATGCTGATGGCAAGCGGTACTTCACTTGGGACCCACCCG
 ATTTCTCAGCCCTCAATATGCTTGGACACTTGGCTTCAAGAGGCGGAAGCTGGTGGCCATTGTGGAC
 CCCCACATCAAGGTAGACTCTGGCTACCGAGTTCACGAAGAATTGCGAAACCATGGGCTGTATGTTAAAA
 CTCGGGATGGCTCTGATTACGAGGGCTGGTCTGGCCAGGCTCAGCTAGTTACCCTGACTTCACTAATCC
 AAGGATGAGGGCCTGGTGGTCTAACATGTTTCAAGTTCAGCTTTGACAATTATGAGGGTTCAGCTCCTAATCTTTAT
 GTTTGGAAATGACATGAATGAACCGTCTGTGTTCAATGGTCTGAGGTCACCATGTTGAAGGATGCTGTGC
 ATTATGGAGGCTGGGAGCACCGGACATCCATAACATCTATGGCTTATATGTGCACATGGCGACTGCTGA
 TGGGCTAATACAGCGCTCTGGGGCATAGAGCGTCCCTTTGTCCTGAGTAGGGCTTTCTTCTCAGGCTCC
 CAGCGCTTTGGAGCTGTGTGGACAGGGGACAACACTGCCGAATGGGATCATTTGAAGATCTCTATCCCTA
 TGTGTCTCAGCCTGGCACTGGTGGGGCTTTCTTCTGTGGAGCGGATGTGGGTGGCTTCTTCAAGAACCC
 AGAGCCAGAGCTGCTTGTGCGCTGGTACCAATGGGTGCTACCAGCCGTTCTTTCGGGCTCATGCCAC
 TTGGACTGCGGCGGAGAGCCATGGCTGTTAGCGTCTCAATACCAAGATGCAATCCGAGATGCCTTGT
 TCCAGCGATATTTCTTGTGCCCTTCTGGTATACCCTCTTCTATCAAGCTCACAAGGAAGGGTTTCTGT
 CATGAGGCCCTCTGGGTACAGTATCCTGAGGATATGTCTACCTCAGTATAGAGGATCAGTTCATGCTT
 GGTGATGCACTCCTTATCACCTGTATCGGATGCTGGGCCCCACGGAGTGCAGGTCTATTTGCCTGGCC
 AAGAAGAAGTGTGGTATGACATTCAGAGCTATCAGAAGCATCATGGGCCCCAGACCTTGTATCTGCCAGT
 AACTTTGAGCAGTATCCCGTGTTCAGCGTGGCGGAACCATTTGCTCGATGGATGCGTGTGAGGCGC
 TCTTCAGACTGTATGAAGGACGATCCTATCACTCTCTTTGTTGCTCTCAGTCCCCAGGGTACTGCCAAG
 GAGAGCTCTTCTAGATGATGGACACACCTTAACTATCAGACTCGCCATGAGTTCCTGTTGCGGCGGT
 CTCTTCTCTGGCAGCACACTGGTCTCTAGTTCAGCAGACCCAAAGGCCACCTTGAGACACCTATTTGG
 ATTGAGCGAGTAGTCATCATGGGGCTGGAAAGCCAGCAGCTGTGGTGTCCAGACCAAAGGATCCCTGT
 AAAGTCGCTGTCTTCCAGCATGACCCTGAGACCTCAGTGTGATATTGCGTAAACCTGGTGTGACGCT
 GGCATCCGACTGGAGTATTCATCTCGAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008060
Insert Size:	2901 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_008060.2 , NP_032086.1
RefSeq Size:	3974 bp
RefSeq ORF:	2901 bp
Locus ID:	14376
UniProt ID:	Q8BHN3
Cytogenetics:	19 A
Gene Summary:	<p>Catalytic subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) oligosaccharide precursor of immature glycoproteins (PubMed:27462106). Required for PKD1/Polycystin-1 and PKD2/Polycystin-2 maturation and localization to the cell surface and cilia (PubMed:28375157).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>