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Product datasheet for MC200446

Glmn (NM_133248) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glmn (NM_133248) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glmn
Synonyms:	9330160J16Rik; AW227515; Fap48; Fap68
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC003446 sequence for NM_133248
GGAGGGCAAGAGGCAGGCGCGTGGCTCGGCGGTTCATTACAGCATCAAAATTAGGAAAATAATTAGGAAT
GGCTGTGGAGGAACTTCAGAGCATAATAAAAAGATGTCAAATCCTAGAAGAGCATGATTTTAAAGAAGAA
GATTTTGGCCTCTTTCAGTTAGCAGGTCAAAGATGCATTGAAGATGGTTATATAAACCAGCTGCTAGAGA
TTATTCAAGATGAAAAGAACAAGACCATCATTAAGTCTATGGGGTGGAATCTTGTTGGTCCAGTTGTTCG
ATGCCTCCTGAGGGGCAGAGAAGAGGATAAAAGAGAAGAGTGTTTTCTGATATTTGATTTGCTGGTGAAG
TTATGTAATCCAAAGGAATTGTTGTTGGGTTTGCTTGAACTCATTGAAGAGCCCTCCGGAAAACAGATTT
CCCAAATTATTCTTCTTTTACTGCAACCATTACAAACAGTTATTCAGAAACTTCCTAACAACAAGGCATA
CTCCGTTGGACTAGCATTGTCAACACTTTGGAGTCAGCTGTCTCTTCTTCCTGTTCCACACTCAGAAGAA
CAAATTCAGGCAGATGATTATGGCCTCTGTCAGTGTTGCAAGGCCTTGATAGAGTTCACGAAACCTTTTG
TGGAAGAAGTAATAAGTGATAAAGAAAACAAAGAAAATGCAAAACTAAAAGATGAATTACTGAAATTTTG
TTTCAAAGGCTTGAAATGCCCTTTGCTGACAGCACAATTCCTCGAACAGTCAGAAGACGTTGGAAATGAC
CCTTTTCGGTGTTTTGCATCTGAAATAATAGGATTTTTATCAAAAATTGGACACCCTGTCCCCCAAATTA
TTCTTAATCATGGAAGGAAAAAAAGGACTTGGGATTCCCTTGAATTTGAAGAAGAAGAAGACAAACAACT
GGCAGAGTCTGTGGCTTCTCTGACATATCTAGTATTTGTTCAGGGCATCGGTATTGATCAGCTGCCCATG
GTCTTAAGCCCATCGTACCTTCTGCAGTTGAACATGGAGCATATTGAAGTGTTTCTGCAAAGAACAGAAC
AGTCTATTTACTCCAAAGGATTGGAACTTCTGGAGACTAGCTTATTGAGATTAGAAGACAACAGCCTATG
TTATCAGTACTTGGAAATCAAGAGTTTTCTTGCTGTGCCTCAGGGCTTAGTCAAAGTTATGACACTTTGC
CCCATTGAGACATTGAGGAAAAAAGGTTTATCTATGCTTCAGCTGTTTATTGACAAGTTGGATTCACAAG
GCAAATATACATTATTTAGGTGCTTACTAAATACAAGTAATCACTCAGGAGTGGAAGCCTTTGTAATTCA
AAACATCAAAAATCAGATTGATTTATCATTTAAGAAAACATATAACAAATGGTTTGCAGGAGCACAGCTG
ATCTCTCTGTTAGACCTGGTCCTGTCTCTCCCTGAGGGCGCTGAGACAGACTTACTGCAGAACTCAGACA
GGATTATGGCTTCATTAAATTTATTGAGGTATTTGGTTATCAAAGATAATGAAGATGACAATCAAACTGG
ATTATGGACAGAACTTGGAAAAATTGAAAATAACTTTCTAAAGCCACTTCATATAGGACTTAATATGTCA
AAAGCACATTATGAAGCAGAAATTAAAAACAGCCAACAAAATAACCAAGTAGCCTCGATGTGTAAAGGTG
TTTGTTCCGTGACTGTAGGTGGAGAAGAAATCCCTTCTATGCCTCCTGAAATGCAGCTTAAGGTCTTACA
TTCCGCTCTCTTCACATTTGACTTGATTGAAAGTGTTCTGGCTCGAGTAGAAGAACTCATTGAAATCAAA
TCAAAGTCTACCTCTGAAGAAAATGTTGGGATAAAGTAAAGGTTCTATTTCATAAATAAAAACCAACAAA
ATGCAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_133248

Insert Size: 1791 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:	BC003446, AAH03446
RefSeq Size:	1911 bp
RefSeq ORF:	1791 bp
Locus ID:	170823
UniProt ID:	Q8BZM1
Cytogenetics:	5 E5
Gene Summary:	Regulatory component of cullin-RING-based SCF (SKP1-Cullin-F-box protein) E3 ubiquitin-protein ligase complexes. Inhibits E3 ubiquitin ligase activity by binding to the RING domain of RBX1 and inhibiting its interaction with the E2 ubiquitin-conjugating enzyme CDC34. Inhibits RBX1-mediated neddylation of CUL1 (By similarity). Required for normal stability and normal cellular levels of key components of SCF ubiquitin ligase complexes, including FBXW7, RBX1, CUL1, CUL2, CUL3, CUL4A, and thereby contributes to the regulation of CCNE1 and MYC levels (PubMed:22405651). Essential for normal development of the vasculature (PubMed:22405651). Contributes to the regulation of RPS6KB1 phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.