

Product datasheet for MC207891

Poglut1 (NM_172380) Mouse Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Poglut1 (NM_172380) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Poglut1 |
| Synonyms: | 9630046K23Rik; Clp46; Ktelc; Ktelc1; Ru; Rumi; w; wsnp |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC207891 representing NM_172380 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGTCGGGCGGGCTCTCGGCTTAGGGCATGGATGCTGTTACTGCTCCTGTGCCCGGTGCAGGGCC
GCCAGAAGGACTCAGGCTCAAAATGAAAGTATTTCTTGACCAAATTAACAGGGCTTTGGAGAATTATGA
ACCATGTTCAAGTCAAACTGCAGCTGCTATCACGGCGTCATAGAAGAGGACCTGACTCCTTTCCGAGGT
GGGATCTCCAGGAAGATGATGGCTGAGGTGGTCAGGCGGAAGCTAGGAACCCACTACCAGATCATTAAAG
ACCGGTTATTCAGGGAAGATGACTGCATGTTCCCTCCAGGTGTAGTGGCGTGGAACACTTTATTTTGG
AGTCATCCATCGCTCCCTGACATGGAAATGGTAATCAATGTCCGAGATTATCCTCAGGTTCTAAATGG
ATGGAGCCTACCATCCCCGTCTTCTCCTCAGTAAGACATCGGAGTACCATGATATCATGTATCCTGCGT
GGACATTTTGGGAAGGGGGCCCTGCTGTGTGGCCACTTTATCCTACAGGTCTTGGACGGTGGGACCTCTT
CAGAGAAGACCTGTTAAGGTCAGCAGCGCAATGGCCGTGGGAAAAGAAAAATTCTACAGCATATTTCCGA
GGATCAAGGACAAGCCCAGAAAGAGATCCTCTCATTCTCCTATCTCGGAAAAATCCAAAGCTCGTCGATG
CCGAGTACACCAAAAACCAGGCTGGAAGTCTATGAAAGATACTCTGGGAAAGCCAGCCGCTAAGGATGT
ACACCTCATAGATCACTGCAAAACAGATACCTATTTAATTTTCGAGGTGTAGCTGCAAGCTTCCGGTTC
AAACACCTCTTCTGTGCGGTTCACTGCTTTCCATGTTGGTGATGAGTGGGTGGAGTTCTCTACCCCA
AACTAAAGCCATGGGTTCACTACATCCCAGTCAAGACCGACCTCTCCAATGTCCAGGAGCTGTTGCAGTT
TGTAAGGCAATGATGATATCGCTCAGGAAATGCTAAAAGGGGAGCCAGTTCATCATAAACCATTTG
CAGATGGATGACATCACCTGTTACTGGGAGAACCTCTTGACTGACTATTCCAAATTCCTGTCTATAATG
TAACAAGAAGAAAAGATTATTATCAGATCGTTCAGACGTTTAAAACTGAACTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_172380 |
| Insert Size: | 1179 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: | <u>NM_172380.4</u> , <u>NP_759012.1</u> |
| RefSeq Size: | 2835 bp |
| RefSeq ORF: | 1179 bp |
| Locus ID: | 224143 |
| UniProt ID: | <u>Q8BYB9</u> |
| Cytogenetics: | 16 B4 |
| Gene Summary: | <p>This gene encodes a protein that can catalyze transfer of either UDP-glucose or UDP-xylose to epidermal growth factor (EGF) repeats, such as those found in Notch. Loss of this gene product results in embryonic lethality. Embryos have neural plate defects, heart defects, and truncations of their posterior axis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1). 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.</p> |