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Product datasheet for MC226992

Poglut1 (NM_001300827) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poglut1 (NM_001300827) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Poglut1
Synonyms:	9630046K23Rik; Clp46; Ktelc; Ktelc1; Ru; Rumi; w; wsnp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226992 representing NM_001300827 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATGGCTGAGGTGGTCAGGCGGAAGCTAGGAACCCACTACCAGATCATTAAGAACCGGTTATTCAGGG AAGATGACTGCATGTTTCCCTCCAGGTGTAGTGGCGTGGAACACTTTATTTTGGAAGTCATCCATCGCCT CCCTGACATGGAAATGGTAATCAATGTCCGAGATTATCCTCAGGTTCCTAAATGGATGGAGCCTACCATC CCCGTCTTCTCCTTCAGTAAGACATCGGAGTACCATGATATCATGTATCCTGCGTGGACATTTTGGGAAG GGGGCCCTGCTGTGTGGCCACTTTATCCTACAGGTCTTGGACGGTGGGACCTCTTCAGAGAAGACCTGTT AAGGTCAGCAGCGCAATGGCCGTGGGAAAAGAAAAATTCTACAGCATATTTCCGAGGATCAAGGACAAGC CCAGAAAGAGATCCTCTCATTCTCCTATCTCGGAAAAATCCAAAGCTCGTCGATGCCGAGTACACCAAAA ACCAGGCCTGGAAGTCTATGAAAGATACTCTGGGAAAGCCAGCCGCTAAGGATGTACACCTCATAGATCA CTGCAAATACAGATACCTATTTAATTTTCGAGGTGTAGCTGCAAGCTTCCGGTTCAAACACCTCTTCTTG TGCGGTTCACTGGTCTTCCATGTTGGTGATGAGTGGGTGGAGTTCTTCTACCCACAACTAAAGCCATGGG TTCACTACATCCCAGTCAAGACCGACCTCTCCAATGTCCAGGAGCTGTTGCAGTTTGTAAAAGCGAATGA TGATATCGCTCAGGAAATTGCTAAAAGGGGAAGCCAGTTCATCATAAACCATTTGCAGATGGATGACATC ACCTGTTACTGGGAGAACCTCTTGACTGACTATTCCAAATTCCTGTCCTATAATGTAACAAGAAGAAAAG ATTATTATCAGATCGTTCCCAGACGTTTGAAAACTGAACTGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001300827
Insert Size:	954 bp

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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001300827.1, NP_001287756.1
RefSeq Size:	3038 bp
RefSeq ORF:	954 bp
Locus ID:	224143
Cytogenetics:	16 B4
Gene Summary:	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] Transcript Variant: This variant (2) contains an alternate splice site in the 5' UTR, resulting in the use of a downstream translation start site, compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to 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.