

Product datasheet for **SC322202**

POGLUT2 (NM_024089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POGLUT2 (NM_024089) Human Untagged Clone
Tag:	Tag Free
Symbol:	POGLUT2
Synonyms:	EP58; ERp58; KDEL1; KDEL1C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322202
 CTTGGCTGGAACCTGAGACGGATTTCGCTCCCAATGATGCTCCAGTGGCTGGAGCAACTC
 AAGTTCATCATTGTCTGAGAGAGAGGAGCAGCGCGGTTCTCGGCCGGGACAGCAGAACG
 CCAGGGGACCCTCACCTGGGCGCGCCGGGGCACGGGCTTTGATTGCTCTGGGGTCGCGGA
 GACCCGCGCGCTGCCCTGCACGCCGGGGCGCAACCTTTGCAGTCGCGTTGGCTGCTGCG
 ATCGGCCGGCGGGTCCCTGCCGAAGGCTCGGCTGCTTCTGTCCACCTTTACACTTCTTC
 ATTTATCGGTGGATCATTTCGAGAGTCCGTCTTGTAAATGTTTGGCACTTTGCTACTTTA
 TTGCTTCTTTCTGGCGACAGTTCAGCACTCGCCGAGACCGGCGGAGAAAGGCAGCTGAG
 CCCGGAGAAGAGCGAAATATGGGGACCCGGGCTAAAAGCAGACGTCGTCCTTCCC GCCCG
 CTATTTCTATATTCAGGCAGTGGATACATCAGGGAATAAAATTCACATCTTCTCCAGGCGA
 AAAGGTCTTCCAGGTGAAAGTCTCAGCACCAGAGGAGCAATTCAGTAGAGTTGGAGTCCA
 GGTTTTAGACGAAAAGATGGGTCCTTCATAGTAAGATACAGAATGTATGCAAGCTACAA
 AAATCTGAAGGTGGAAGTAAATCCAAGGGCAACATGTGGCCAAATCCCATATATTTT
 AAAAGGGCCGGTTTACCATGAGAACTGTACTGTCTCTGCAAGATAGTGCAGCCTGGCT
 ACGGGAGATGAACTGCCCTGAAACCATTGCTCAGATTCAGAGAGATCTGGCACATTTCCC
 TGCTGTGGATCCAGAAAAGATTGCAGTAGAAATCCCAAAAAGATTTGGACAGAGGCAGAG
 CCTATGCTACTACACCTTAAAGGATAACAAGGTTTATATCAAGACTCATGGTGAACATGT
 AGGTTTTAGAATTTTCATGGATGCCATACTACTTTCTTTGACTAGAAAAGGTGAAGATGCC
 AGATGTGGAGCTCTTTGTTAATTTGGGAGACTGGCCTTTGGAAAAAAGAAATCCAATTC
 AAACATCCATCCGATCTTTCTGGTGTGGCTCCACAGATTCCAAGGATATCGTGATGCC
 TACGTACGATTTGACTGATTCTGTTCTGGAAACCATGGGCCGGTAAGTCTGGATATGAT
 GTCCGTGCAAGCTAACACGGGTCCTCCCTGGGAAAGCAAAAATCCACTGCCGTCTGGAG
 AGGGCGAGACAGCCGCAAGAGAGACTCGAGCTGGTTAAACTCAGTAGAAAACACCCAGA
 ACTCATAGACGCTGCTTTCACCAACTTTTTCTTCTTTAAACACGATGAAAACCTGTATGG
 TCCCATTTGAAACATATTTTCTTTTTGATTTCTTCAAGCATAAGTATCAAATAAATAT
 CGATGGCACTGTAGCAGCTTATCGCCTGCCATATTTGCTAGTTGGTGACAGTGTGTGCT
 GAAGCAGGATCCATCTACTATGAACATTTTTACAATGAGCTGCAGCCCTGGAAACTA
 CATTCCAGTTAAGAGCAACCTGAGCGATCTGCTAGAAAACTTAAATGGGCGAAAGATCA
 CGATGAAGAGGCCAAAAAGATAGCAAAAGCAGGACAAGAATTTGCAAGAAATAATCTCAT
 GGGCGATGACATATTCTGTTATTATTTCAAACCTTTCCAGGAATATGCCAATTTACAAGT
 GAGTGAGCCCAATCCGAGAGGGCATGAAAAGGGTAGAACACAGACTGAGGACGACCT
 CTCCCTTGTACTTGCCATAGGAAAAAGACCAAGATGAACTCTGATATGCAAAAATAACT
 TCTATTAGAATAATGGTCTCTGAAGACTCTTCTTAACTAAAAAGAAGATTTTTTTAAAG
 TATTAATTCATGGACAATATAAAATCTGTGTGATTGTTTGCAGTATGAAGACACATTTT
 TACTTATGCAGTATTCTCATGACTGTACTTTAAAGTACATTTTTTAGAATTTTATAATAAA
 ACCACCTTATTTTAAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024089

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_024089.1](#), [NP_076994.1](#)

RefSeq Size: 2082 bp

RefSeq ORF: 1509 bp

Locus ID: 79070

UniProt ID: [Q6UW63](#)

Cytogenetics: 13q33.1

Domains: Filamin, CAP10

Gene Summary: This gene encodes a protein product localized to the lumen of the endoplasmic reticulum. As a member of the endoplasmic reticulum protein family the encoded protein contains a Lys-Asp-Glu-Leu or KDEL motif located at the extreme C-terminus which prevents all endoplasmic reticulum resident proteins from being secreted. Proteins carrying this motif are bound by a receptor in the Golgi apparatus so that the receptor-ligand complex returns to the endoplasmic reticulum. A processed non-transcribed pseudogene located in an intron of a sodium transporter gene on chromosome 5 has been defined for this gene. This gene has multiple transcript variants which are predicted to encode distinct isoforms. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) encodes the longer isoform (1).