

Product datasheet for SC315806

PROX2 (NM_001080408) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PROX2 (NM_001080408) Human Untagged Clone
Tag:	Tag Free
Symbol:	PROX2
Synonyms:	PROX-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001080408 edited ATGGATCCAACTCCATCTTGCTTTCTCCTCAGCCCCAGATCTGCTCCCACCTAGCAGAA GCTTGTACGGAAGGCGAGAGAAGCTCATCCCCTCCAGAGCTGGATAGAGACTCCCGTTT CCTGGAGTCAGGTCCTCCAGCTCCAGCCCTACAGACCCCGAATGGTTTGGTGATGAGCAC ATCCAGGCAAGAGGGCCAGAGTGGAGACCATTGTCCGAGGCATGTGTCTCTCCCGAAT CCTCTGGTGCCAGGCAATGCGCAAGCTGGGGTCAGCCACGCTGCCAAAGAAGGCCGA GAGAGGAAGAGGAAGCAGAACCTTCCACACCGCAAGGCCTCTGATGCCAGCCCTGCC TGGGACCAGGGCAACAGGAAGGGGGCCCTCGTGTGAGAGAACAACCTTCATCTGCTGAAG CAACAGCTAAGACATCTGCAAGAGCACATCCTACAGGCTGCCAAGCCAGGGACACAGCT CAGGGGCCAGGAGGCTGTGGCACGGGAAAGGCCCTCTGAGTGCAAAGCAGGGGAATGGC TGTGGGCCTCGCCCTGGGTTGTGGACGGTGACCACCAGCAAGGTACCAGCAAGGACCTC TCTGGGGCAGAAAAACCAAGAGTCTGAGAAGCCAGTTTCCTTCCTTCTGGAGACCA GCTTCACTAGAGATTCTGAGGAAAGAGCTGACCAGGGCAGTGCCAGGCTGTGGACTCG GTATTACAAAAGTTCAACCGCTGCATTACCTCCCAGATGATCAAGTGGTTCAGCACTTT CGTGAGTTTTATTACATCCAAATGGAAAAATCTGCCCGGCAAGCAATTTTCAGATGGTGTC ACAAATCCCAAATGCTGGTGGTTCTCCGCAATTCAGAACTTTTCAAGCTCTCAATATG CACTACAACAAGGGAATGACTTTGAGGTTCCAGATTGCTTCTTGAAATTGCCAGCTTG ACGTTACAGGAGTTCTTCAGGGCTGTCTCCGAGGGAGAGACTCAGATCCTTCCTGGAAG AAACCATTTATAAAATTATTTGAAACTGGACAGTGACATCCCAGAGATATTCAAATCT TCCAGCTATCCCCAGTAG
Restriction Sites:	Please inquire
ACCN:	NM_001080408
Insert Size:	1100 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:	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:	<u>NM_001080408.1, NP_001073877.1</u>
RefSeq Size:	1779 bp
RefSeq ORF:	1779 bp
Locus ID:	283571
UniProt ID:	<u>Q3B8N5</u>
Cytogenetics:	14q24.3
Gene Summary:	Transcription regulator. Does not seem to be essential for embryonic development and postnatal survival (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site and lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.