

Product datasheet for **SC317488**

DUOXA2 (NM_207581) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUOXA2 (NM_207581) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUOXA2
Synonyms:	SIMNIPHOM; TDH5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_207581 edited ATGACCCTGTGGAACGGCGTACTGCCTTTTTACCCCGCCCGCATGCCGAGGCTTC AGCGTTCCACTGCTCATCGTTATTCTAGTGTGTTTTGGCTCTAGCAGCAAGCTTCCTGCTC ATCTTGCCGGGATCCGTGGCCACTCGCGCTGGTTTTGGTTGGTGAAGATTCTTCTCAGT CTGTTTCATAGGCCAGAAATTGTGGCTGTGCACTTCAGTGCAGAATGGTTCGTGGGTACA GTGAACACCAACACATCTACAAAGCCTTCAGCGCAGCGCGTTACAGCCGTGTCCGT CTGCTCGTGGCCTGGAGGGCATTAAATTACTCACAGGGACCCAGTGCATCAGCTG AACGAGACCATTGACTACAACGAGCAGTTCACCTGGCGTCTGAAAGAGAATTACGCCGG GAGTACCGAACGCACTGGAGAAGGGGCTGCCGACCCAGTGTCTACCTGGCGGAGAAG TTCACACCGAGTAGCCCTTGCGGCTGTACCACAGTACCACCTGGCGGGACACTACGCC TCGGCCACGCTATGGGTGGCGTTCTGCTTCTGGCTCCTCTCCAAGTGTGCTCTCCACG CCGGCCCCGCTCTACGGAGGCTGGCACTGCTGACCACCGAGCCTTCGCGCTCTTCGGG GTCTTCGCTTGGCCTCCATCTCTAGCGTGCCGCTCTGCCGCTCCGCCTAGGCTCCTCC GCGCTCACCACACTCAGTACGGCGCCGCTTCTGGGTACGCTGGCAACCGGCGTCTGTGC CTCTTCTCGGAGGGGCGTGGTGAAGTCTCCAGTATGTTCCGCCCAGCGCTCTTCGACCC CTTCTGGACCAAGCGCAAGGACTGCAGCCAGGAGAGAGGGGCTCACCTTTATCCTC GGCGACCACTGCACAAGCAGGCCGCTCTCCAGACTTAAATGTATCACCACCTAACCTG TGA
Restriction Sites:	Please inquire
ACCN:	NM_207581
Insert Size:	1000 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:	<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_207581.2</u> , <u>NP_997464.2</u>
RefSeq Size:	1440 bp
RefSeq ORF:	963 bp
Locus ID:	405753
UniProt ID:	<u>Q1HG44</u>
Cytogenetics:	15q21.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes an endoplasmic reticulum protein that is necessary for proper cellular localization and maturation of functional dual oxidase 2. Mutations in this gene have been associated with thyroid dysmorphogenesis 5.[provided by RefSeq, Feb 2010]