

Product datasheet for **SC307445**

CYB561D1 (NM_182580) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: CYB561D1 (NM_182580) Human Untagged Clone
 Tag: Tag Free
 Symbol: CYB561D1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >SC307445 representing NM_182580.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCCCTGGAGGTAGGTCTGGTCCCGCTCCAGCTGGGGAGCCGAGACTGACCCGCTGGTGCCG
AGAGGCAGTGGGATCTTGGCGCACCTGGTAGCTTTGGGCTTACCATCTTTCTGACAGCGCTGTCCCG
CCAGGAACCAGTCTTTCTCCTGGCACCTGTATTCATGGCCTTGGCGTTCTGCCTCTGCATGGCTGAA
GCCATCTACTCTTCTCACCTGAACACTCCCTGTTCTTCTTCTGCTCCCGAAAAGCACGGATCCGGCTC
CACTGGGCAGGGCAGACCCTAGCCATCCTCTGTGCAGCTCTGGCCTGGGCTTTCATCATCTCCAGCAGG
ACCCGCAGTGAGCTGCCTCATCTGGTGTCTGGCACAGCTGGGTGGGAGCCCTGACTGCTGGCCACT
GCTGTCCAGGCACTGTGTGGGCTCTGCCTCCTTTGTCCCGGGCAGCCAGGGTCTCAAGGGTGGCTCGC
CTCAAGCTCTACCATCTGACATGTGGACTGGTGGTCTACCTGATGGCTACAGTAACGGTGTCTTGGGC
ATGTAAGTCAAGTGGTCCAGGCCAGATCAAAGGTGCGGCTGGTACCTGTGCCTGGCACTGCCCGTC
TATCCAGCCCTGGTGATCATGCACCAGATTTCCAGATCTACTTGCCGAGGAAGAAAATGGAATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
 Plasmid Map:
 ACCN: NM_182580
 Insert Size: 690 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:	NM_182580.2
RefSeq Size:	4944 bp
RefSeq ORF:	690 bp
Locus ID:	284613
UniProt ID:	Q8N8Q1
Cytogenetics:	1p13.3
Protein Families:	Transmembrane
MW:	25.4 kDa
Gene Summary:	<p>Probable transmembrane reductase that may use ascorbate as an electron donor and transfer electrons across membranes to reduce monodehydro-L-ascorbate radical and iron cations Fe(3+) in another cellular compartment.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has multiple differences in the coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>