

Product datasheet for SC327409

CYB561A3 (NM_001161452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYB561A3 (NM_001161452) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYB561A3
Synonyms:	CYBASC3; LCYTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327409 representing NM_001161452. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGTGTCTGGACGGTTCTACTTGTCTGCCTGCTGCTGGGGTCCCTGGGCTCTATGTGCATCCTCTTC
 ACTATCTACTGGATGCAGTACTGGCGTGGTGGCTTTGCCTGGAATGGCAGCATCTACATGTTCAACTGG
 CACCCAGTGCTTATGGTTGCTGGCATGGTGGTATTCTATGGAGGTGCGTCACTGGTGTACCGCTGCC
 CAGTCGTGGGTGGGGCCAACTGCCCTGGAACTCCTCCATGCAGCGCTGCACCTGATGGCCTTCGTC
 CTAAGTGTGGGGCTGGTGTCTTTACGTTTACAACCATGGAAGGACTGCCAACCTCTACTCC
 CTTACAGCTGGCTGGGCATCACCCTGCTTCTCTTCGCTGCCAGTGGTTCCTGGGCTTTGCTGTC
 TTCCTCCTGCCCTGGGCGTCCATGTGGCTGCGCAGCCTCCTAAACCTATCCACGCTTTTTTGGAGCC
 GCCATCCTCTCTGTCCATCGCATCCGTCATTTGCGGCATTAATGAGAAGCTTTTCTTCAGTTTGAAA
 AACACCACCAGGCCATACCACAGCCTGCCAGTGAGGCGGTCTTTGCCAACAGACCGGGATGCTGGTG
 GTGGCCTTTGGGCTGCTGGTGTCTACATCCTTCTGGCTTCATCTTGGAAGCGCCAGAGCCGGGATC
 CTGACCGACAGACAGCCCTGCTGCATGATGGGAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001161452
Insert Size:	729 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_001161452.1</u>
RefSeq Size:	2559 bp
RefSeq ORF:	729 bp
Locus ID:	220002
UniProt ID:	<u>Q8NBI2</u>
Cytogenetics:	11q12.2
Protein Families:	Transmembrane
MW:	27.2 kDa
Gene Summary:	Ferric-chelate reductase that reduces Fe(3+) to Fe(2+) before its transport from the endosome to the cytoplasm. Probably uses ascorbate as electron donor (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate splice junction at the 5' end of the last exon compared to variant 4. The encoded isoform (2) has a shorter and distinct C-terminus compared to isoform 3. Variants 2 and 3 both encode the same isoform (2).