

Product datasheet for **RG225323**

CYB561D1 (NM_001134400) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CYB561D1 (NM_001134400) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CYB561D1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225323 representing NM_001134400
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGCAGCCCTGGAGGTAGGTCTGGTCCCGCTCCAGCTGGGGAGCCGAGACTGACCCGCTGGCTGCGGA
GAGGCAGTGGGATCTTGGCGCACCTGGTAGCTTTGGGCTTACCATCTTTCTGACAGCGCTGTCCCGGCC
AGGAACCAAAACAGGTCCCCTGATGGAGGATAGAAGTGAAGGAGGCCGGGCGGGTGGTGCCTGAA
ATCCCAGCACTTTGGGAGGCCGACGCGGGTGGATCACTTGAGTTCTGCCTGTCATGGCTGAAGCCATCC
TACTCTTCTCACCTGAACACTCCCTGTTCTTCTTCTGCTCCGAAAAGCACGGATCCGGCTCCAGTGGC
AGGGCAGACCCTAGCCATCCTCTGTGCAGCTCTGGGCTTGGCTTCATCATCTCCAGCAGGACCCGCACT
GAGCTGCCTCATCTGGTGTCTGGCACAGCTGGGTGGGAGCCCTGACACTGCTGGCCACTGCTGTCCAGG
CACTGTGTGGGCTCTGCCTCCTTTGTCCCGGGCAGCCAGGGTCTCAAGGGTGGCTCGCCTCAAGCTCTA
CCATCTGACATGTGGACTGGTGGTCTACCTGATGGCTACAGTAACGGTGTCTTGGGCATGTACTCAGTA
TGGTTCAGGCCAGATCAAAGGTGCGGCCTGGTACCTGTGCCTGGCACTGCCCGTCTATCCAGCCCTGG
TGATCATGCACCAGATTTCCAGATCCTACTTGCCGAGGAAGAAAATGGAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225323 representing NM_001134400
Red=Cloning site Green=Tags(s)

MQPLEVGLVPAPAGEPRLTRWLRGSGILAHVALGFTIFLTALSRPGTKGPLMEDRSEGGRARWVMPE
IPALWEADAGGSLEFCLMAEAILLFSPEHSLFFFCSRKARIRLHWAGQTLAILCAALGLGFIISSRTRS
ELPHLVSWHSWGALTLATAVQALCGLCLLCPRAARVSRVARLKYHLTCGLVVYLMATVTVLLGMYSV
WFQAQIKGAAYWLCLALPVYPALVIMHQISRSYLPKMKMEM

TRTRPLE - GFP Tag - V



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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_001134400.1, NP_001127872.1</u>
RefSeq Size:	5010 bp
RefSeq ORF:	756 bp
Locus ID:	284613
UniProt ID:	<u>Q8N8Q1</u>
Cytogenetics:	1p13.3
Protein Families:	Transmembrane
Gene Summary:	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]