

Product datasheet for **RG223850**

CXorf48 (CT55) (NM_017863) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CXorf48
Synonyms:	BJHCC20A; CXorf48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223850 representing NM_017863
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCAGGCTTCTGAGACTTGCTTTGGCCTTCTACGGGAGGACGGCCGACCCTGCAGAGCGACAGGGCC
CACAGCAGCAGGGCCTCCACAAAGGTGACACCCAGTTGACAAGTGTGCAGGGAGTTGTACAAAGTTTCTG
TGGTGATTATGGCATGATTGATGAGTCGATCTACTTCAGTAGTGATGTTGTGACTGGCAACGTGCCTCTA
AAAGTTGGACAAAAGTTAATGTGGTTGTGGAAGAAGATAAACCACATTATGGATTGAGAGCAATCAAGG
TGGATGTTGTGCCTCGCCATCTTTATGGTGCTGGACCCCTCAGACTCAGGAACCAGAGTTTTAATTGGATG
TGTTACTTCTATAAATGAAGATAATTTTATATTAGTAACAGCATTATTTTTCCATAGCCATTGTTTCT
GAAGATTTTGTGCCTTATAAGGGTGACTTGTTAGAAGTTGAATATTCCTGAGCCAGGCATCTCAAACA
TCAAGGCAACTTCTGTGAAGCCCATCCGTTGTATTCATACGGAAGAGGTCTGCATTACTAGCGTACATGG
AAGAAATGGGGTGATAGATTATACTATTTTTTACCTTGGATTCTGTGAACTTCCTGATGGATACGTA
CCTCAAGTAGATGATATCGTCAATGTGGTCATGGTGGAGAGCATTAGTTCTGCTTTATTTGGAGAGCGA
TTTCTATCACCCAGTGCATAAATCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



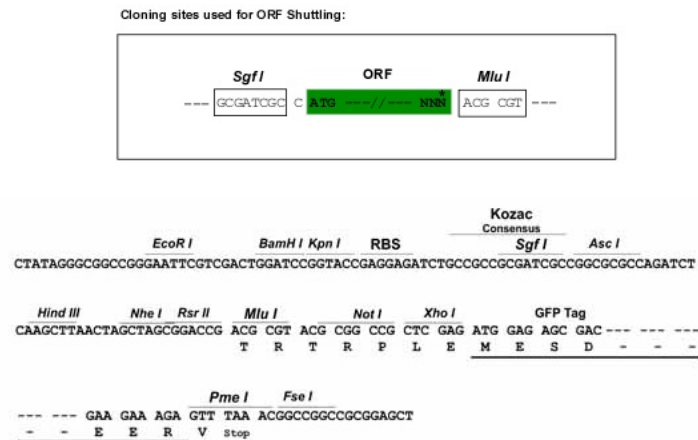
Protein Sequence: >RG223850 representing NM_017863
 Red=Cloning site Green=Tags(s)

MLRLLRLALAFYGRADPAERQGPQQQLPQGDQLTTVQGVVTSFCGDYGMIDESIYFSSDVVTGNVPL
 KVGQKVNVEEDKPHYGLRAIKVDVPRHLYGAGPSDSGTRVLIGCVTSINEDNIYISNSIYFSIAIVS
 EDFVPYKGDLLVEYSTEPGISNIKATSVKPIRCIHTEVCITSVHGRNGVIDYTIFFTLDSVKLPDGYV
 PQVDDIVNVVMVESIQFCFIWRAISITPVHKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017863

ORF Size: 726 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017863.2, NP_060333.1](#)

RefSeq Size: 2188 bp

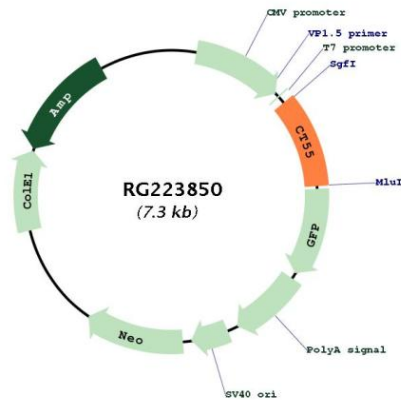
RefSeq ORF: 729 bp

Locus ID: 54967

UniProt ID: [Q8WUE5](#)

Cytogenetics: Xq26.3

Product images:



Circular map for RG223850