

Product datasheet for **RG215551**

ZPLD1 (NM_175056) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZPLD1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215551 representing NM_175056
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGATGCTCAGGTTTTCCATGTGCAGGGGAAATGATGAAGGTTTTGCAATGGAACAAATATGGTTGCTGC
TGCTTCTAACAAATTAGAGTGCTTCCGGGTCTGCTCAGTTCAACGGCTACAACGTGATGCCAACCTCCA
CAGTAGATTTCTGCTGAAAGAGACATCAGTGTCTATTGTGGAGTGCAGGCTATTACGATGAAGATTAAT
TTTTGCACGGTACTTTCTCGGGTTATTCGGAACAGATCTGGCACTGAATGGAAGGCATGGGGACTCCC
ACTGCAGAGGGTTCATCAATAACAACACCTTCCAGCAGTGGTCATTTTATCATCAATCTCAGCACCTT
GGAGGGCTGTGGAACAACCTGGTGGTATCCACAATTCCTGGAGTCAGTGCTTATGGAATGCAACTTCA
GTGCAAGTAGGAAATATTTTCAGGATATATTGATACTCCAGACCCACCAACAATCATCAGCTATCTACCTG
GGCTTCTTTACAAATTTAGTTGTAGTTATCCATTGGAATACCTGGTTAATAATACCCAGCTTGCTTCGTC
CTCAGCGGCTATTTCTGTGAGAGAGAACAATGGCACATTTGTCAGCACTTTGAACCTGCTCCTTTATAAC
GATTCAACCTACAACCAGCAGTTAATTATCCCCAGTATAGGATTACCTTTGAAAACCAAAGTATTTGCAG
CTGTCCAAGCCACTAATTTGGATGGCAGATGGAATGTTTTAATGGATTATTGCTATACTACCCATCAGG
AAACCCAAATGATGACATTCGATATGATCTTTTCTTAGCTGTGACAAGGACCCTCAGACCACCGTCATT
GAGAATGGCCGAAGCCAGCGGGGCCGGTTTTCTTTGAAGTGTTCCGATTTGTGAAACACAAGAATCAGA
AAATGTCCACTGTCTTCTGCACTGCGTTACCAAGCTCTGCAGAGCAGATGACTGCCCTTCCTTATGCC
GATTTGCAGCCACAGAGAAAGGAGAGATGCTGGGAGGAGGACGACTTGAGCCCCCAGAGCTCTTCTGGC
AGCGCGGTGCTCTCTGCTGGTCCCATTACTCGGAGTGATGAGACTCCAACCAACAATTCGCAACTTG
GTTCTCAAGTATGCCTCCCTCCAGCTGAACGCCATCACCAGCGCACTGATATCAGGAATGGTCATTCT
GGGAGTTACGAGCTTTTCTCTTCTGTGCTCACTGGCCCTTCTGCACAGGAAGGGACCCACAAGTTTA
GTGTTGAATGGCATAAGAAACCCAGTCTTTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



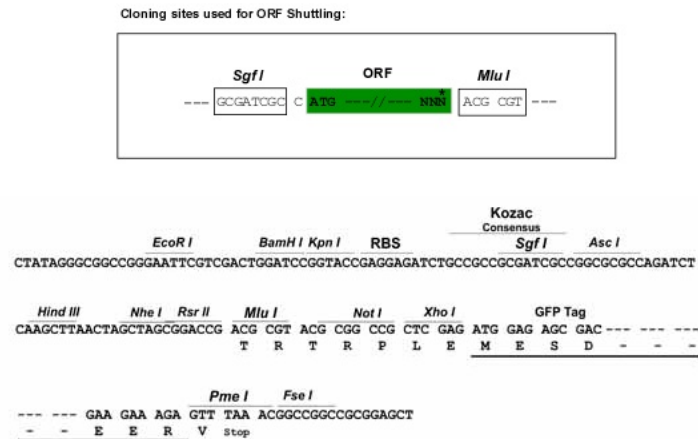
Protein Sequence: >RG215551 representing NM_175056
Red=Cloning site Green=Tags(s)

MMLRFSMCRGNDEGFAMEQIWLLLLLTIRVLPQSAQFNGYNCNLANLHSRFPAPERDISVYCGVQAITMKIN
FCTVLFSGYSETDLALNGRHGDHCRGFINNNTFPAVVIFIINLSTLEGCGNNLVVSTIPGVSAYGNATS
VQVGNISGYIDTPDPPTIISYLPGLLYKFSCSYPLEYLVNNTQLASSAAISVRENNGTFVSTLNLLLYN
DSTYNQQLIIPISIGLPLKTKVFAAVQATNLDGRWNVMDYCYTTPSGNPNDIRYDLFLSCDKDPQTTVI
ENGRSQRGFSFEVFRFVKHKNQKMSTVFLHCVTKLCRADDCPFLMPICSHRERRDAGRRTTWSPQSSSG
SAVLSAGPIITRSDPTNNSQLGSPMPFPQLNAITSALISGMVILGVTFSLLLLCSLALLHRKGPTSL
VLNGIRNPVFD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175056

ORF Size: 1293 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_175056.2](#)

RefSeq Size: 3639 bp

RefSeq ORF: 1296 bp

Locus ID: 131368

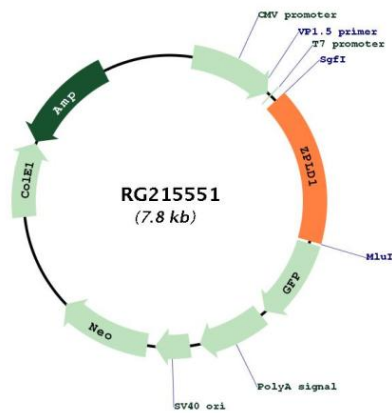
UniProt ID: [Q8TCW7](#)

Cytogenetics: 3q12.3

Protein Families: Transmembrane

Gene Summary: Glycoprotein which is a component of the gelatinous extracellular matrix in the cupulae of the vestibular organ.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215551