

Product datasheet for **RG222328**

NAALADL2 (NM_207015) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAALADL2 (NM_207015) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAALADL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222328 representing NM_207015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGAGAATGAAGCAAGTTTACCTAACACGCTCTTTGCAAGGTAAAAAGATGGCCTATCAGAAGTCC
 ATGCAGATCAAAGAGCTCCAGGACACTCACAGTACTTAGACAATGATGACCTTCAAGCCACTGCCCTTGA
 CTTAGAGTGGGACATGGAGAAGGAACTAGAGGAGTCTGGTTTTGACCAATTCCAGCTAGACGGTGTGAG
 AATCAGAACCTAGGGCATTAGAGACTATAGACCTCAATCTTGATTCCATTCAACCAGCAACTTCACCCA
 AAGGAAGTTCCAGAGACTTCAAGAAGAATCTGACTACATTACCCATTATACACGATCTGCACCAAAGAG
 CAATCGTGCACCTTTTCCACGCTCTTAAAAATACTTTGCACAGCCACCATTTTATTTATTTTGGGATT
 TTGATAGTATTATGTACATACAAATTGCCCTTCAGATGCTCCATCTTCAGGAACAGTTGATCCTCAGT
 TATATCAAGAGATTCTCAAGACAATCCAGGCAGAAGATTAAGAAGTCTTTCAGAAATTTGGTACAAC
 ATATAAAATGAAGATGACACGGAAATTTCAAAGAAGATTAAGACTCAGTGGACCTCTTTGGGCCTAGAA
 GATGTACAGTTTGTAAATTAAGTCTGTGCTGCTTATGATCTGCCAGGCCCTTCTCCAGCACTGTGACTCTGA
 GCAGCAGTGGTCAATGCTTTCATCCTAATGGCCAGCCTTGCAGTGAAGAAGCCAGAAAAGATAGCAGCCA
 AGACCTGCTCTATTATATGACGCTTATCTGCCAAAGGAACTCTCAAGGCTGAAGTCAATCGATGTGAGT
 TATGGAATGGCAGATGATTTAAAAGGATTAGGAAAATAAAAAACGTAACAAATCAGATCGCACTCCTGA
 AATTAGGAAAATGGCACTGCTTTATAAGCTTTCCTCATTGGAAAAGGCTGGATTTGGAGGTGTTCTTCT
 GTATATCGATCCTTGTGATTTGCCAAAGACTGTGAATCCTAGCCATGATACCTTCATGGTGTCACTGAAT
 CCAGGAGGAGACCCTTCTACGCTGGTTACCCAAGTGTGATGAAAGTTTAGACAAAGCCGATCAAACC
 TCACCTCTCTATTAGTGCAGCCATCTCTGCATCCCTCGTTGCAAACTGATCTTTCGCCAAAAGCTAG
 AACCAAAAATGAAGCGTGTAGCTCTCTAGAGCTTCCAAATAATGAAATAAGAGTGTGATGCAAGTT
 CAGACAGTCAAAAATTGAAAACAGTTACTAATGTTGTTGGATTTGTAATGGGCTTGACATCTCCAGACC
 GGTATATCATAGTTGGCAGCCATCATCACACTGCACACAGTTATAATGGACAAGAATGGGCCAGTAGTAC
 TGCAATAATCACAGCGTTTATCCGTGCCTTGTGTCAAAAGTTAAGAGAGGGTGGAGACCAGACCGAACT
 ATTGTTTTCTGTTCTTGGGGAGGAACAGCTTTTGGCAATATTGGCTCATATGAATGGGGAGAGGATTTCA
 AGAAGTTCTTCAAAAAAATGTTGTGGCTTATATTAGCCTCCACAGTCCCATAAGGGGAACTCTAGTCT
 GTATCCTGTAGCATCACCATCTTTCAGCAACTGGTAGTAGAGAAAATAATTTCAACTGTACCAGAAGA
 GCCCAGTGCCAGAAACCAATATCAGTTCTATACAGATACAAGGTGATGCTGATTATTTCAACCATC
 TTGGAGTTCCCATCGTGCAGTTTGTACGAGGACATCAAACATTAGAGGGTCCAAGTTTTCTCTCCGA
 GGCCCGTTTTTCTACACGAGCAAAAAATTGAAGAAATGGATCGCTCTTCAACCTTATGAAACCATT
 ACTAAGCTCTCAGGAGAAGTGATTTTGCAAATTGCCAACGAACCTGTTCTGCCCTTAAATGCACTTGATA
 TAGCTTTAGAAGTTCAAAAACACCTTAAAGGTGATCAACCAACACTCATCAACTGTTAGCCATGGCGTC
 ACGCCTGCGGGAGAGTGTGAATTTTTCAGTCTGATGAGATGCGACCTGCTAATGATCCCAAGGAGAGA
 GCACCCATCCGCATCCGGATGCTGAATGACATTCTCAAGACATGGAGAAAAGCTTTCTGGTAAAGCAGG
 CACCACCAGGTTTTATAGAAACATCCTTACCACCTTGATGAAAAGACAAGCCGGTTTTCAATACTTAT
 AGAGGCTTGGGAACACTGCAACCCCTTGCATCAAATGAGACCCTTCAAGAAGCCCTGTGAGAGGTGTTG
 AACAGCATTAAATCAGCTCAGGTTTACTTCAAAGCAGGACTTGATGTGTTCAAGAGTGTCTTGGATGGGA
 AGAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG222328 representing NM_207015
Red=Cloning site Green=Tags(s)

```

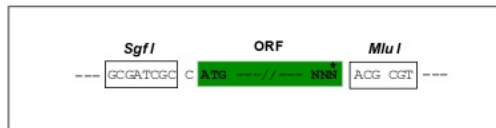
MGENEASLPNTSLQGKKMAYQKVHADQRAPGHSQYLDNDDLQATALDLEWDMKELEESGFDQFQLDGAE
NQNLGHSETIDLNLSIQPATSPKGRFQRLQEESDYITHYTRSAPKSNRCNFCHVLKILCTATILFIFGI
LIGYYVHTNCPDAPSSGTVPDQLYQEILKTIQAEDIKKSFRNLVQLYKNEDDTEISKKIKTQWTLGLE
DVQFVNYSVLLDLPGPSPSTVTLSSSGQCFHPNGQPCSEEARKDSSQDLLYSYAAYSAGKTLKAEVIDVS
YGMADDLKRIRKIKNVTNQIALLKLGKLP LLYKLSSELEKAGFGVLLYIDPCDLPKTVNPSHDTFMVSLN
PGGDPSTPGYPSVDESFQRSNLTSLLVQPIASLVAKLISPKARTKNEACSSLELPNNEIRVVMQV
QTVTKLKTVTNVVGFVGLTSPDRYIIVGSHHTAHSYNGQEWASSTAIITAFIRALMSKVKRGWRPDR
IVFCSWGTAFGNIGSYEWGEDFKKVLQKNVVAYISLHSPIRGNSSLYPVAPSLQQLVVEKNNFNCTRR
AQCPEINISSIQIQGDADYFINHLGVPIVQFAYEDIKTLLEGPSFLSEARFSTRATKIEEMDRSFLHETI
TKLSGEVILQIANEPVLPFNALDIALEVQNNLKGDPNTHQLLAMASRLRESAELFQSDEMRPANDPKER
APIRIRMLNDILQDMEKSFLVKQAPPGFYRNILYHLDEKTSRFSILIEAWEHCKPLASNETLQEALSEVL
NSINSAQYFFKAGLDVFKSVLDGKN
    
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_207015

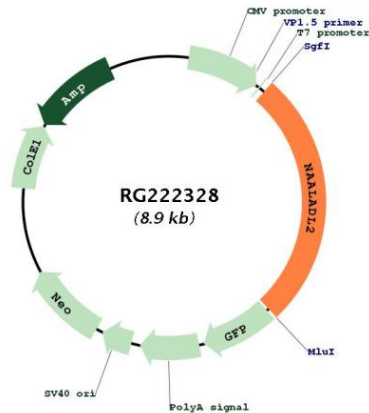
ORF Size: 2385 bp

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:	<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_207015.1, NP_996898.1</u>
RefSeq Size:	4928 bp
RefSeq ORF:	2388 bp
Locus ID:	254827
UniProt ID:	<u>Q58DX5</u>
Cytogenetics:	3q26.31
Protein Families:	Protease, Transmembrane
Gene Summary:	May be catalytically inactive.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222328