

Product datasheet for **SC303650**

NAALADL1 (NM_005468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAALADL1 (NM_005468) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAALADL1
Synonyms:	I100; NAALADASEL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC303650 representing NM_005468.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGTGGACGAAGGTGTTGGGGCTGGGGCTGGGGCTGCTGCCCTCTTGGGGCTGGGGATCATCCTC
GGCCACTTTGCCATCCCCAAAAAGCCAACTCACTGGCCCCCAGGACCTGGACCTGGAGATCCTGGAG
ACCGTCATGGGGCAGCTGGATGCCACAGGATCCGGGAGAACCTCAGAGAACTCTCCAGGGAGCCACAC
CTGGCCTCCAGCCCTCGGGATGAGGACCTGGTGCAGCTGCTGCTGCAGCGCTGGAAGGACCCAGAGTCA
GGCCTGGACTCGGCCGAGGCCTCCACGTACGAAGTGTGCTGTCTTCCCTAGCCAGGAGCAGCCCAAC
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GGGAGCAAGGGGGGCCAGATGTGGTACAACCCTATGCTGCCTATGCTCCTTCTGGAACCCACAGGGC
CTCCTCGTCTATGCCAACGGGGCGCGGAAGAAGACTTTAAGGAGCTACAGACTCAGGGCATCAAATT
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GAAACCTTTCCCAACTCCTGGTACCTGCCCCCTCAGGAGTGGAGCGAGGCTCCTACTACAGTATTTT
GGGGACCTCTGACTCCCTACCTTCCAGCCGTCCCTCTTCTTCCGCGTGGACCTTGCCATGTCTCC
GGATTTCCCCCAATTCTACACAGCCATTGGCTTCCAGGATGCAAGAGACCTGCTCTGTAACTCAAC
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ACGGTGGCTACATCAACGTGGACATCTCGGTGTTTGCCAACGCTACCCTTAGGGTGCAGGGGACGCCC
CCTGTCCAGAGCGTCTGTTCTCTGCAACCAAGAGATCCGCTCACCAGGCCCTGGCGACCTGAGCATC
TACGACAAGTGGATCCGGTACTTCAACCGCAGCAGCCGGTGTACGGCTGGTCCCGAGCTTGGGTTCT
CTGGGTGCTGGCAGGACTATGCACCTTCGTTCACTTCTGGGCATCTCCTCCATGGACATTGCCTAT
ACCTATGACCGGAGCAAGACTTCAGCCAGGATCTACCCACCTACCACACAGCCTTTGACACCTTTGAC
TATGTGGACAAGTTTTTGGACCCGGGCTTCAGCAGCCATCAGGCTGTGGCCCGGACAGCGGGAGTG
ATTCTCCGGCTCAGTGACAGCTTCTTCTGCCCTCAAAGTCAGTGAAGTACAGTGAAGACTCCGACG
TTCTGACAGCAGCCAGCAAGATCTTGGGGCCCTGCTGGAGCAGCAGCATCAGCCTGGGGCCTCTG
GTGACTGCAGTGAGAAGTTTGAAGCAGAAGCTGCAGCCTTGGGCCAACGCATATCAACACTGCAGAAG
GGCAGCCCTGACCCCTGAGGTCCGGATGCTCAATGACCAAGTTGATGCTCTTGGAACGGACCTTTCTG
AACCTAGAGCCTTCCAGAGGAACGCTACTACAGCCATGTGCTCTGGGCACCTCGCACGGGCTCCGTA
GTCACATTCCCGGGCCTATCCAATGCCTGCTCCAGGGCCAGGGACACAGCTTCTGGATCTGAAGCTTG
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GTGGCTGACCTCTGA
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_005468
Insert Size: 2223 bp

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:	NM_005468.2
RefSeq Size:	2703 bp
RefSeq ORF:	2223 bp
Locus ID:	10004
UniProt ID:	Q9UQQ1
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Transmembrane
MW:	80.6 kDa
Gene Summary:	Aminopeptidase with broad substrate specificity. Has lower activity with substrates that have Asp or Glu in the P2' position, or Pro in the P3' position. Lacks activity with substrates that have both Pro in the P3' position and Asp or Glu in the P2' position (PubMed:25752612). Lacks carboxypeptidase activity. Lacks dipeptidyl-peptidase IV type activity (PubMed:25752612). [UniProtKB/Swiss-Prot Function]