

Product datasheet for **SC112570**

NTAL (LAT2) (NM_022040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTAL (LAT2) (NM_022040) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTAL
Synonyms:	LAB, NTAL, WSCR5, WBSCR5, HSPC046, WBSCR15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112570 sequence for NM_022040 edited (data generated by NextGen Sequencing)

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ATGAGCTCGGGGACTGAACTGCTGTGGCCCGGAGCAGCGTCTGGTGTGTTGGGGGTG
GCAGCCAGTCTGTGTGTGCGCTGCTCACGCCAGGTGCAAAGAGGTCAGAGAAAACTAC
CAGCAGAGAAGTCTGCGTGAGGACCAACAGAGCTTTACGGGGTCCCGGACCTACTCCTTG
GTCGGGCAGGCATGGCCAGGACCCTGGCGGACATGGCACCCACAAGGAAGGACAAGCTG
TTGCAATTCTACCCAGCCTGGAGGATCCAGCATCTTCCAGGTACCAGAACTTCAGCAA
GGAAGCAGACACGGGTCGGAGGAAGCCTACATAGACCCATTGCCATGGAGTATTACAAC
TGGGGGCGGTTCTCGAAGCCCCAGAAGATGATGATGCCAATTCCTACGAGAATGTGCTC
ATTTGCAAGCAGAAAACCACAGAGACAGGTGCCAGCAGGAGGGCATAGGTGGCCTCTGC
AGAGGGGACCTCAGCCTGTCACTGGCCCTGAAGACTGGCCCCACTTCTGGTCTCTGTCCC
TCTGCCTCCCCGGAAGAAGATGAGGAATCTGAGGATTATCAGAACTCAGCATCCATCCAT
CAGTGGCGGAGTCCAGGAAGGTCATGGGGCAACTCCAGAGAGAAGCATCCCCTGGCCCCG
GTGGGAAGCCCAGACGAGGAGGACGGGGAACCGGATTACGTGAATGGGGAGGTGGCAGCC
ACAGAAGCCTAG
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Clone variation with respect to NM_022040.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_022040 unedited GCATATTATGTAATACGAACTCACTATAGGGCGGCCGGAATCGGCACCAGTTGGCATCA GCTTGGGCAGGTGTGCGGGCTCAGGATGGGGCGGCCGTGGTGAGGAACCTGGACTCTCA GCATCACAAAGAGGCAACACCAGGAGCCAACATGAGCTCGGGGACTGAACTGCTGTGGCC GGAGCAGCGTGTGCTGCTGTTGGGGTGGCAGCCAGTCTGTGTGTGCGCTGCTCACGC CCAGGTGCAAAGAGGTGAGAGAAAATCTACCAGCAGAGAAGTCTGCGTGAGGACCAACAG AGCTTTACGGGGTCCCGGACCTACTCCTTGGTCGGGCAGGCATGGCCAGGACCCCTGGCG GACATGGCACCCACAAGGAAGGACAAGCTGTTGCAATTCTACCCAGCCTGGAGGATCCA GCATCTTCCAGGTACCAGAACTTACGAAAGGAAGCAGACACGGGTGCGGAGGAAGCCTAC ATAGACCCATTGCCATGGAGTATTACAACTGGGGCGGTTCTCGAAGCCCCAGAAGAT GATGATGCCAATTCCTACGAGAATGTGCTCATTGCAAGCAGAAAACCACAGAGACAGGT GCCCAGCAGGAGGCATAGGTGGCCTCTGCAGAGGGGACCTCAGCCTGTCACTGGCCCTG AAGACTGGCCCCACTTCTGGTCTCTGTCCCTCTGCCTCCCCGGAAGAAGATGAGGAATCT GNAGATTATCAGAACTCAGCATCCATCCATCAGTGGCGGAGTCCAGGAAGTCATGGNGC AACTNCAGAGAGAAGCATCCCCTGGCCNGGTGGGAGCCCCAGACGAGNAGACGGGGAAC CNGNATACGTGAATGGGGAGGTGGCAGCCACAGAACCTAGGGCAGACCAGAAGAAAGAGC CANGGCAAGAGGGACACTGTGCTCATGGACCATCGCTGCCTTTCAG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_022040 unedited GGCCCCAGCTCTCCCATGAGACAGTCACAACACTGTTTAATCAGCTCTGCAGAGGCCAG CCCTGGAGCAGAGGAGGATTCAGGGCCATGGAGGGGACCTACTCTGCCCTGTTCTGGTCA CTACTTCTTAGACTCTCATGCACTATTGTCTGTAGCAAGTGACATTTCCACTGGAAGCA CATAAAGATGGCGACAGCCTCATTCTCTCTGAGTGAAGTGAAGCCAAAGAAAGGGGAG GTCCCACCAAAGGGGAAGAGAGCCAGGGCCCCACCAACAAGGATGCTGAAATAAATAC ATGTAATGCTTTCTAGGAGACAACAGAAATCTACTCTGAAATCCAGAATGTTAAAT ATGGCTCCCCCTATAAGTAACTGTACAAGCTTATCAATCATTTAAAACCCAGCAAC CAACAAATAGCATTAGGAATCCAAATTCATAGCACANAAGAACACAGATACCAGTGTGG ACAGTGGTTTTGTATGGGGACTGGGTGACAGCTTATCCTAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_022040
Insert Size:	1710 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).
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_022040.2</u> , <u>NP_071323.1</u>
RefSeq Size:	2014 bp

RefSeq ORF: 732 bp

Locus ID: 7462

Cytogenetics: 7q11.23

Protein Families: Transmembrane

Gene Summary: This gene is one of the contiguous genes at 7q11.23 commonly deleted in Williams syndrome, a multisystem developmental disorder. This gene consists of at least 14 exons, and its alternative splicing generates 3 transcript variants, all encoding the same protein. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) consists of 14 exons and encodes the full length protein.