

Product datasheet for **RG238974**

ABLIM3 (NM_001301027) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM3 (NM_001301027) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABLIM3
Synonyms:	HMFN1661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238974 representing NM_001301027.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCATCCAGTGTCTACCGCTGTGGAGACACTGCAAAGGGGAAGTGGTCCGCGTGCACAACAACCACT
TCCACATCAGATGCTTACCTGTCAAGTATGTGGCTGTGGCTGGCCAGTCAGGCTTCTTCTTCAAGA
ACCAGGATACATCTGCACCCAGGACTACCAGCAACTCTATGGCACCCGCTGTGACAGCTGCCGGGACT
TCATCACAGGCGAAGTCATCTCGGCCCTGGGCCCACTTACCACCCCAAGTGCTTCGTGTGACGCTTGT
GCAGGACATCTCCAGGGATGGAGAGCTCATCCCTGCCTCCTGCTTACCTTCCGCATCACCATCACTTG
TTAATTACAGCAAGTGAAGCCTTTCCCATTTGGAGACAAGGTGACCTTCAGCGGTAAGAATGTGTGTGC
CAAACGTGCTCCAGTCCATGGCCAGCAGTAAGCCATCAAGATTCGTGGACCAAGCCACTGTGCCGGG
TGCAAGGAGGAGATCAAGCACGGCCAGTCACTCCTGGCTCTGGACAAGCAGTGGCACGTCAGCTGCTTC
AAGTGCCAGACCTGCAGCGTCATCCTCACCGGGAGTATATCAGCAAGGATGGTGTTCATACTGTGAG
TCCGACTACCATGCCAGTTTGGCATTAAATGTGAGACTTGTGACCGATACATCAGTGGCAGAGTCTTG
GAGGCAGGAGGAAGCACTACCACCCAACCTGTGCCAGGTGTGTACGCTGCCACCAGATGTTACCGAA
GGAGAGGAAATGTACCTCACAGGTTCCGAGGTTTGGCACCCCATCTGCAAACAGGCAGCCCGGGCAGAG
AAGAAGTTAAAGCATAGACGGACATCTGAAACCTCCATCTCACCCCTGGATCCAGCATTGGGTACCCC
AACCGAGTCATCTGCGACATCTACGAGAACCTGGACCTCCGGCAGAGACGGGCTCCAGCCCGGGGTAC
ATAGACTCCCCACCTACAGCCGGCAGGGCATGTCCCCACCTTCTCCGCTCACCTCACCCTACTAC
CGCTCTGGTGATTTGTCTACAGCAACCAAGAGCAAAACAAGTGAAGACATCAGCCAGACCTCAAAGTAC
AGTCCCATCTACTCGCCAGACCCCTACTATGCTTCGGAGTCTGAGTACTGGACCTACCATGGTCCCCC
AAAGTGCCCGGAGCCAGAAGGTTCTCGCTGGAGGAGAGGAGGATGATTTTGACCCGACATGCACAAG
TCCCAAAGTGGAATTGGCCGGCTGATTCTGAAGGAAGAAATGAAGGCCCGGTTCGAGCTCCTATGCAGAT
CCCTGGACCCCTCCCGGAGCTCCACCAGCAGCCGGGAAGCCCTGCACACAGCTGGCTATGAGATGTCC
CTCAATGGCTCCCTCGGTGCGACTACCTGGTGACAGTATCCTCTCATCTCCAAATCTGCCTCCCTG
CCTGCCTACCGAAGAAATGGGCTGCACAGGACACCCAGCGCAGACCTTCTCCACTACGACAGCATGAAC
GCAGTCAACTGGGGCATGCGAGAGTACAAGATCTACCCTATGAACTGCTGCTGGTGACTACAAGAGGA
AGAAACCGACTGCCCAAGGATGTAGACAGGACCCGTTTAGAGCGCCACCTGTCCAGGAAGATTCTAC
CAAGTCTTTGGCATGACCATCTCTGAGTTTGACCGGCTGGCCCTCTGGAAGAGGAATGAACTGAAGAAG
CAAGCCCGGCTGTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238974
 Blue=ORF Red=Cloning site Green=Tag(s)

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MSSATAVETPAKGWSACTTTTSTSDASPVKYVAVAWPSQASSRTRSTSAPRTTSNSMAPAVTAAGT
SSQAKSSRPWAALTTPSASCAACAGHLQGWRAHPCLLLYLPHHHHLLIQVKPFPVIGDKVTFSGKECVC
QTCSQSMASPKIKIRGPHSHCAGCKEEIKHGQSLALDKQWHVSCFKCQTCVILTGEYISKDGVYCE
SDYHAQFGIKCETCDRYISGRVLEAGGKHYHPTCARCVRCHQMFTEGEEMYL TGSEVWHPICKQAARAE
KKLKHRRTSETSISPPGSSIGSPNRVICDIYENLDLRQRASSPGYIDSPTYSRQMSPTFSRSPHHYY
RSGDLSTATKSKTSEDISQTSKYSPYIYSPDPYASESEYWTYHGSVPKVRARRFSSGGEEDDFDRSMHK
LQSGIGRLILKEEMKARSSYADPWTPPRSSTSSREALHTAGYEMSLNGSPRSHYLADSDPLISKSASL
PAYRRNGLHRTPSADLFHYDSMNAVNWGMREYKIYPYELLVTTTRGRNRLPKDVRTRLERHLSQEEFY
QVFGMTISEFDRLALWKRNELKKQARLF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAVTEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites:

Sgfl-Mlul

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).
RefSeq:	NM_001301027.2
RefSeq Size:	4459 bp
RefSeq ORF:	1743 bp
Locus ID:	22885
UniProt ID:	O94929
Cytogenetics:	5q32
Protein Pathways:	Axon guidance
MW:	65.2 kDa
Gene Summary:	This gene encodes a member of the actin-binding LIM (abLIM) family of proteins. These proteins are characterized by an N-terminal LIM domain and a C-terminal dematin-like domain. The encoded protein interacts with actin filaments and may be a component of adherens junctions in several cell types. A variant of this gene may be associated with pain sensitivity in male human patients. [provided by RefSeq, Sep 2016]