

Product datasheet for **RG200553**

PRICKLE3 (NM_006150) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PRICKLE3
Synonyms:	LMO6; LOAM; Pk3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG200553 representing NM_006150
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTTCGCGCTGGGTCCCGAGGCGCCGCTCCGGCGTGCCTCCAGAGGCAGAGACCCAGACCGGG
 GCCAGCCCTGCAACTCCTGTAGGGAGCAGTGCCCTGGCTTCCTGCTCCACGGCTGGAGAAAGATCTGCCA
 GCATTGCAATGCCCGCGGAGGAGCATGCAGTGCACGCGGTGCCTGTGGACCTGGAACGCATCATGTGT
 CGGCTAATCTCGGACTTCCAGCGCCACTCCATCTCCGACGACGACTCAGGCTGTGCATCGGAGGAGTATG
 CCTGGGTGCCCCAGGCCTTAAGCCGGAGCAGGTATATCAATTTTTCAGCTGCCTCCAGAGGACAAGGT
 CCCCTACGTCAACAGTCTGGGGAGAAATACAGGATCAAGCAGCTGTGCACCAAGCTGCCCCACACGAC
 AGTGAGGCACAGTACTGCACAGCACTGGAAGAGGAGGAAAAGAAAGAGCTCCGAGCCTTTAGCCAGCAGC
 GGAAGCGGGAGAATCTGGGCGTGGCATCGTGCATCTTCCCGGTGACCATCACTGGGGCCATCTGTGA
 GGAGTGCAGAAAGCAGATTGGAGGTGGGACATCGCAGTGTTCAGCGCGTGCAGGCCTGGGTGCCTGC
 TGGCAGCCACAGTCTTCGTGTGTACACGTGCCAGGAAGTCTGGTTGACCTCATCTACTTCTACCATG
 TTGGCAAGGTCTACTGCGGGCGTCACCATGCCGAATGCCTGCGTCCACGCTGCCAAGCCTGTGACGAGAT
 CATCTTCTCCCTGAGTGCACGGAGGCTGAGGGCCGCCACTGGCACATGGATCACTTCTGCTGCTTTGAG
 TGTGAAGCTTCACTAGGAGGGCAGCGCTATGTCATGCGTCAGAGCCGCCCTGCTGCGCTGCTACG
 AGGCCCCGACAGCGGAGTACTGTGATGGCTGTGGGAGCACATCGGCCTGGACCAAGGCCAGATGGCTTA
 CGAGGGCCAGCACTGGCATGCCTCAGACCGCTGCTTCTGCTGTAGTCGCTGTGGGCGGGCCCTGCTGGGC
 CGCCCATCTGCCAGCGGAGGCTAATCTTCTGCTCTGAGCCTGCAGCCTTGGGTCCGAGCCACAG
 CTCCAGGGCCAGCGCCGAGCTGGAGTGCCGGCCCTGTACAGCCCACTTGACGCTCCACAGCCTC
 TTTCTCTGCTGTGAAGGGGCGATCAGAGACCACCAAGGACACAGCAGAGTTAGCGCCAGCTACA
 GGCCCTGAGGAGCCTCCCGCTTTCTGAGAGGGGCTCCCCACCGCCACTCCATGCCGGAAGTGGGGCTCC
 GCAGTGTCCCGAGCGGCCCCAGAGTCCCCCGGCCAGCCTAACCTGCGCCAGATGATAGTGCCTTCGG
 TCGTCAGAGCAGCCACGCGTCAGCTTCCGCGACCTCTGGTGTCTGAAGGAGGCCCGCGCGGACCCCTG
 AGTGACACCCCGGGCCAGCGCCGAGGCCACGCAAGTCCCCACCCAGGGCCCCAGCGCTCGCCGCCACC
 ATCATCATAATCACCATCACCATCACAACCGCCACCAAGCAGACGTCGCCACTATCAATGTGACGCGGG
 ATCAGGGTCAGACTCGGAATCTTGTCCAGCTCGCCCTCCAGTTCCAGTTCCGAATCATCAGAGGATGAT
 GGCTTTCTCTAGGAGAGCGCATCCCTCTGCCCCGCAATTTGTGAGGCCCATGCCTGCTCAGGACACTG
 CAATGGAGACCTTCAACTCCCATCTTATCGCTCCCAGGACTCTCGCGCAGGGATGCCTCGTCAGGC
 CCGAGACAAGAACTGCATCGTGGCT

AGCGGACCGACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200553 representing NM_006150
 Red=Cloning site Green=Tags(s)

MFARGSRRRRSGRAPPEAEDPDGQPCNSCREQCPGFLHGWKICQHKCPREEHAVHAVPVDLERIMC
 RLISDFQRHSISDDSGCASEEYAWVPGLKPEQVYQFFSCLPEDKVPYVNSPGEKYRIKQLLHQLPPHD
 SEAQYCTALEEEKKELRAFSQQRKRENLRGIVRIFPVTITGAICEECKQIGGGDIAVFASRAGLGAC
 WHPQCFVCTTCQELLVDLIYFYHVGKYYCGRHAECLRPQCACDEIIFSPECTEAEGRHWMDHFCFFE
 CEASLGGQRYVMRQSRPHCCACYEARHAEYCDGCGEHLGLDQGMAYEGQHHWASDRCFCCSRRCGRALLG
 RPFLPRRGLIFCSRACSLGSEPTAPGPSRRWSAGPVTAPLAASAFSAVKGASETTTKGTSTELAPAT
 GPEEPSRFLRGAPHRHSMPELGLRSVPEPPPESPGQPNLRPDDSAFGRQSTPRVSFRDPLVSEGGPRRTL
 SAPPAQRRRPRSPPPRAPSRRHHHHHHHHNRHPSRRRHYQCDAGSGDSESCSSPSSSSSESEDD
 GFFLGERIPLPHLCRMPAQDTAMETFNPSLSLPRDSRAGMPRQARDKNCIVA

SGPTRRRL - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_006150

ORF Size: 1845 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_006150.5](#)

RefSeq Size: 1990 bp

RefSeq ORF: 1848 bp

Locus ID: 4007

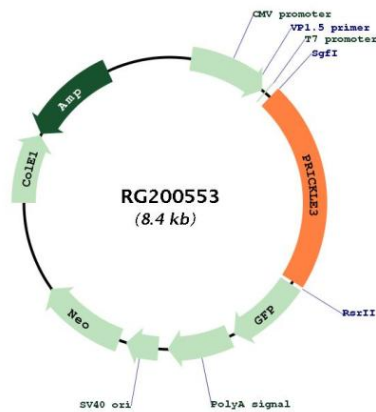
UniProt ID: [O43900](#)

Cytogenetics: Xp11.23

Domains: LIM

Gene Summary: LIM domain only 6 is a three LIM domain-containing protein. The LIM domain is a cysteine-rich sequence motif that binds zinc atoms to form a specific protein-binding interface for protein-protein interactions. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200553