

Product datasheet for **MG208318**

Lap3 (NM_024434) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lap3 (NM_024434) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lap3
Synonyms:	2410015L10Rik; AA410100; Lap; LAP-3; Lapep; Pep-7; Pep-S; Pep7; Peps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208318 representing NM_024434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTACTTGTGCCCTCCGGCTGCCGCGGAGTCGCGCTCCGCCCTGGGAGTGAGAGTCTCTGGG
 ATCGGGTCTGTCCACCGCAGACATGACGAAGGCCTTGTTTTAGGAATTTATGCCAAAGACAAAGATGA
 TGACCTGCCACAATTTACAAGTGCGGGAGAGAGTTTTAATAAGTTGGTGTCTGGAAGCTGAGGAAATG
 TTGAACATATCTGGACCTCCTCTCAAAGCAGGCAAACCAGAACCTTCTATGGTCTGCATCAGGACTTCC
 CCAGCGTGGTGGTGGTCCGCTTGGCAAGCGATCGGCTGGAGTTGATGACCAGGAAAAGTGGCACGAAGG
 CAAAGAAAACATCAGAGCTGCTGTTGCAGCGGGATGCAGGCAGGTCCAAGACCTGGAGCTGCCGTCGGTG
 GAGGTGGATCCCTGTGGAGATGCGCAAGCTGCTGCAGAAGGAGCTGTGCTTGGTCTCTATGAGTACGATG
 ACCTGAAGCAGAAGAAGAAGGTGGCTGTGTCGGCAAGCTCCACGGAAGCGGTGATCTCGAGGCCTGGGA
 GAAAGGGTCTCTTTGCTTCTGGACAGAACTTGCCCGTCATCTGATGGAGTCTCCAGCCAATGAGATG
 ACACCAACCAGATTCGCTGAAATCATTGAAAAAACCTCAAAAGTGCCAGTAGTAAAACCAAGGTCCATA
 TCAGACCCAAGTCTGGATAGAGGAACAAGAAATGGGTTCTGTTCAAGTGTAGCCAAGGGGTCTGAAGA
 ACCACCACTTCTTGGAAATCCACTACATGGGCAGCCCCAATGCAACCGAGGCACCCCTGGTGTGGTGG
 GGAAGGGCATTACCTTTGACAGTGGAGGTATCTCCATCAAGGCTTCTGCAAACATGGACCTCATGAGGG
 CTGATATGGGAGGAGCAGCAACAATATGCTCGGCCATTGTGTCTGCGGCAAGGCTCAACTTGCCATTAA
 CATCATTGGTTTGGCCCTCTTTGTGAAAATATGCCTAGCGGCAAGGCCAACAAGCCAGGGGATGTCGTC
 AGAGCCAGGAATGGGAAGACCATCCAGTTGATAACACTGACCGGAGGGGAGGCTCATCTGCGCGATGGA
 CACTCTGTTATGCACACACCTTTAATCCCAAGGTATCATCAATGCTGCCACCTAACAGGTTGCCATGGA
 TGTAGCCCTGGGGTCAAGTGCCTGGAGTCTTTACCAATTCGTCCTGGCTGTGGAACAACAACTATTTGAG
 GCCAGCGTAGAAACTGGGGACCGAGTCTGGAGGATGCCCTCTTTGAGCATTATACAAGCAAGTATAG
 ATTGCCAGCTTGTGATGTCAACAATCTTGGAAAATACAGATCTGCAGGTGCGTGTACAGCTGCCGATT
 CCTGCGAGAGTTTGTGACACATACGAAGTGGGCACACTTAGACATAGCAGGAGTGTGACCAACAAAGAT
 GAGATTCCTACCTGCGGAAGGGGATGAGTGGGCGGCCACGAGGACTCTGATTGAGTCTTACTTCGAT
 TCAGTAAAGACAGTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208318 representing NM_024434
 Red=Cloning site Green=Tags(s)

MYLLPLPAAARVALRRLGVRGLWDRGLSTADMTKGLVLGIYAKDKDDLPQFTSAGESFNKLVSGKLREM
 LNISGPPLKAGKTRTFYGLHQDFPSVVVGLGKRSAGVDDQENWHEGKENIRAAVAAGCRQVQDLELPSV
 EVDPCGDAQAAAEAVLGLYEYDDLKQKKVAVSAKLHGSGDLEAWKGVLFASGQNLARHLMESPANEM
 TPTRFAEIIIEKNLKSASSKTKVHIRPKSWIEEQEMGSFLSVAKGSEPPVFLEIHYMGSPNATEAPLVFV
 GKGITFDSSGISIKASANMDLMRADMGGAATICS AIVSAAKLNLPINIIGLAPLCENMPSGKANKPGDVV
 RARNGKTIQVDNTDAEGRLILADALCYAHTFNPKVIINAATLTGAMDVALGSGATGVFTNSSWLWNKLF
 ASVETGDRVWRMPLFEHYTRQVIDCQLADVNNLGKYRSAGACTAAAFREFVTHTKWAHLDIAGVMTNKD
 EIPYLRKGMGRPTRTLIEFLLRFKSDSS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_024434
ORF Size:	1557 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:	NM_024434.6
RefSeq Size:	2202 bp
RefSeq ORF:	1560 bp
Locus ID:	66988
UniProt ID:	Q9CPY7
Cytogenetics:	5 24.98 cM
Gene Summary:	Presumably involved in the processing and regular turnover of intracellular proteins. Catalyzes the removal of unsubstituted N-terminal amino acids from various peptides (By similarity).[UniProtKB/Swiss-Prot Function]