

Product datasheet for **RG208623**

LRATD1 (NM_145175) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRATD1 (NM_145175) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRATD1
Synonyms:	FAM84A; NSE1; PP11517
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208623 representing NM_145175 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACCAACTGGACCGCATCACCCACCTCAACTACAGCGAGTTGCCACAGGGGACCCGTCGGGGA
TTGAAAAGGACGAACTGCGGGTCGGGGTTGCCTACTTCTTCTCGGATGATGAGGAAGACCTGGACGAACG
CGGGCAGCCCGACAAGTTTGGCGTGAAGGCCCGGGTTGCACCCCTGCCCGGAGAGCCCCAGCCGC
CACCACCACCTGCTGCACCAGCTGGTCTCAACGAGACTCAGTTTTCCGCCTTCGGGGCCAGGAAT
GCATCTTTTCAAAGTGAGCGGTGGCCCTCAGGGCGCCGACCTAAGCGTCTACGCGGTACCGCGTCC
AGCGCTCTGCGAACC CGCGACCTGCTGGAGCTGCTGTGGCTGCAGCCCGCGCCGAGCCGCCCGCGCC
GCCCGCACTGGGCCGTCTACGTGGGCGGCGGGCAGATCATCCACTGCACCAAGGCGAGATCCGCCAGG
ACAGCCTGTATGAGGCGGGCGCGCCAACGTGGGCGGGTGGTGAATAGCTGGTACCGCTACCGCCCGCT
GGTGGCCGAGCTGGTGGTGCAGAACGCCTGCGGCCACCTGGGCCTCAAGAGCGAGGAGATCTGCTGGACG
AACTCGGAGAGCTTCGCCGCTGGTGGCCTTTGGCAAGCGGGAGTTCAAGGCGGGAGGGGAGGTGCCGG
CAGGCACGCAGCCCCGAGCAGCAGTACTATCTCAAGGTGCACCTGGGAGAGAACAAGGTCCACACCGC
CAGGTTTTACAGCCTGGAAGACCTATCCGCGAGAAGCGCCGTATCGACGCCAGCGGCCGCTGCGAGTG
CTCCAGGAGCTCGCCGACCTCGTGGACGACAAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208623 representing NM_145175
 Red=Cloning site Green=Tags(s)

MGNQLDRITHLNYSELPTGDPGSGIEKDELRVGVAYFFSDDEEDLDERGQPKDFGVKAPPGCCTPCPEPSR
 HHHHLLHQLVLNETQFSAFRGQECIFSKVSGGPQGADLSVYAVTALPALCEPGDLLELLWLQPAPEPPAP
 APHWAVYVGGGQIIHLHQGEIRQDSL YEAGAANVGRVNSWYRYRPLVAELVVQACGHLGLKSEEICWT
 NSESFAAWCRFGKREFKAGGEVPAGTQPPQQYYLKVHLGENKVHTARFHSLEDLIREKRRIDASGRLRV
 LQELADLVDDKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145175

ORF Size: 876 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.

RefSeq: [NM_145175.4](#)

RefSeq Size: 2586 bp

RefSeq ORF: 879 bp

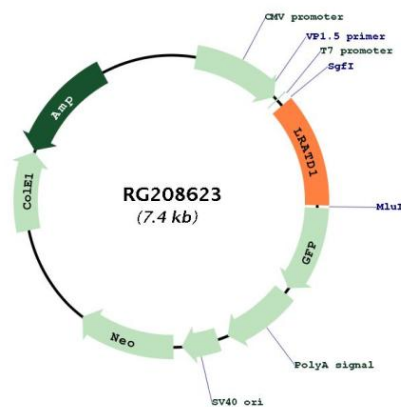
Locus ID: 151354

UniProt ID: [Q96KN4](#)

Cytogenetics: 2p24.3

Gene Summary: May play a role in cell morphology and motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208623