

Product datasheet for **RG226379**

LTBP3 (NM_001130144) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LTBP3 (NM_001130144) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LTBP3
Synonyms:	DASS; GPHYS3; LTBP-3; LTBP2; pp6425; STHAG6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG226379 representing NM_001130144 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGGGCCCCGAGGGGCTGCTGGCGGCTGGCCCTGAGATGCGCGGGGGGGGGGGCGGGGGCTGC
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CAGCAGCTTCGGAGAGCCCTAGCCAGGCTCCACCACCTGAGGACACAGAGGAAGAGAGAGGGGTGACCA
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GCAAAGCCGGCTTCCGCGCAGCCGCCGACGGGCTGCGTTCACCGCGCCGCG

ACGCGTACGCGGGCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG226379 representing NM_001130144
 Red=Cloning site Green=Tags(s)

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CQLPESPAERAPERDDVCSQRGEDGMCAGPLAGPALTFDDCCCRQGRGWAQCRPCPPRAGASHCPTSQ
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TRTRPLE - GFP Tag - V

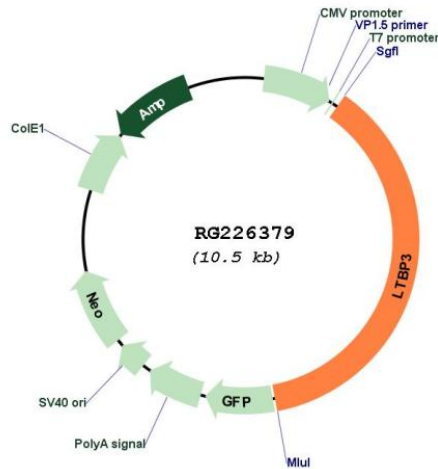
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130144

ORF Size: 3909 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_001130144.3](#)

RefSeq Size: 4452 bp

RefSeq ORF: 3912 bp

Locus ID: 4054

UniProt ID: [Q9NS15](#)

Cytogenetics: 11q13.1

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene forms a complex with transforming growth factor beta (TGF-beta) proteins and may be involved in their subcellular localization. Activation of this complex requires removal of the encoded binding protein. This protein also may play a structural role in the extracellular matrix. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]