

Product datasheet for **RG209838**

LTBP2 (NM_000428) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LTBP2 (NM_000428) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LTBP2
Synonyms:	C14orf141; GLC3D; LTBP3; MSPKA; MSTP031; WMS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209838 representing NM_000428 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCGGACCAAAGCCCGCAGCCCGGGCGCGCCCTGCGGAACCCCTGGAGAGGCTTCTGCCGC
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 GAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209838 representing NM_000428
 Red=Cloning site Green=Tags(s)

MRPRTKARSPGRALRNPWRGFLPLTLALFVGAGHAQRDPVGRYEPAGGDANRLRRPGGSYPAAAAKVYS
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 GPEDTVPEPAFPNTAGHSADRTPILESPLQPSSELQPHYVASHPEPPAGFEGLQAECEGILNGCENGRCVR
 VREGYTCDFEGFQLDAAHMACVDVNECDLNGPAVLVHGYCENTEGSYRCHCSPGYVAEAGPPHCTAK
 E

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_000428.2 , NP_000419.1
RefSeq Size:	8568 bp
RefSeq ORF:	5466 bp
Locus ID:	4053
UniProt ID:	Q14767
Cytogenetics:	14q24.3
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	The protein encoded by this gene belongs to the family of latent transforming growth factor (TGF)-beta binding proteins (LTBP), which are extracellular matrix proteins with multi-domain structure. This protein is the largest member of the LTBP family possessing unique regions and with most similarity to the fibrillins. It has thus been suggested that it may have multiple functions: as a member of the TGF-beta latent complex, as a structural component of microfibrils, and a role in cell adhesion. [provided by RefSeq, Jul 2008]