

Product datasheet for **SC300069**

LTBP2 (NM_000428) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LTBP2 (NM_000428) Human Untagged Clone
Tag: Tag Free
Symbol: LTBP2
Synonyms: C14orf141; GLC3D; LTBP3; MSPKA; MSTP031; WMS3
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_000428, the custom clone sequence may differ by one or more nucleotides

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 TTGAACGGGCTGCTGTGCTCTGTGTCCATGGTTACTGCGAGAACACAGAGGGCTCCTAC
 CGCTGCCACTGCTCCCCGGGATATGTGGCTGAGGCAGGGCCCCCCCCACTGCACTGCCAAG
 GAGTAG

- Restriction Sites:** Please inquire
- ACCN:** NM_000428
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_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]