

Product datasheet for **SC316589**

STXBP5L (NM_014980) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	STXBP5L
Synonyms:	LLGL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316589 representing NM_014980. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
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Restriction Sites:

SgfI-MluI

ACCN:

NM_014980

Insert Size:

3561 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_014980.2
RefSeq Size:	9382 bp
RefSeq ORF:	3561 bp
Locus ID:	9515
UniProt ID:	Q9Y2K9
Cytogenetics:	3q13.33
MW:	131.9 kDa
Gene Summary:	The protein encoded by this gene is similar to syntaxin-binding protein 5 and contains ten N-terminal WD40 repeats, four variable region WD40 repeats, and a C-terminal R-SNARE domain. Studies of the orthologous proteins in mouse and rat have shown that the encoded protein may inhibit exocytosis in neurosecretory cells, and may negatively regulate the secretion of insulin. A missense variant in this gene is likely the cause of an infantile-onset neurodegenerative disorder diagnosed in two siblings of consanguineous parents. [provided by RefSeq, Jan 2017] Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1 and 3 both encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.