

# Product datasheet for RG206571

### STX11 (NM\_003764) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	STX11 (NM_003764) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STX11
Synonyms:	FHL4; HLH4; HPLH4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RG206571 representing NM_003764 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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<b>GRIGENE</b> STX11 (I	NM_003764) Human Tagged ORF Clone – RG206571
Protein Sequence:	>RG206571 representing NM_003764 Red=Cloning site Green=Tags(s)
	MKDRLAELLDLSKQYDQQFPDGDDEFDSPHEDIVFETDHILESLYRDIRDIQDENQLLVADVKRLGKQNA RFLTSMRRLSSIKRDTNSIAKAIKARGEVIHCKLRAMKELSEAAEAQHGPHSAVARISRAQYNALTLTFQ RAMHDYNQAEMKQRDNCKIRIQRQLEIMGKEVSGDQIEDMFEQGKWDVFSENLLADVKGARAALNEIESR HRELLRLESRIRDVHELFLQMAVLVEKQADTLNVIELNVQKTVDYTGQAKAQVRKAVQYEEKNPCRTLCC FCCPCLK
	TRTRPLE - GFP Tag - V
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miui Gegatege c atg NIR Acg est
	Kozac Consensus EcoR I BamH I Kpn I RBS Sgf I Asc I CTATAGGGCGGCACCGGAATTCGTCGACTGGATCGGCGGAGAGATCTGCCCGCGCGCG

н	ind III		Nhe	1 1	Rsr II	M	lu I		N	I to	X	ho I		GFP T	ag		
CAAG	CTTA	ACT	AGCTA	GCG	GACCG	ACG	CGT R		CGG R		CTC L				GAC D	 	
					P	me I	F	se I									

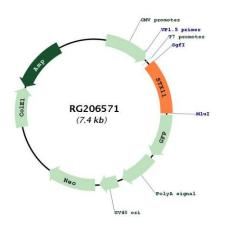
ACCN:	NM_003764
ORF Size:	861 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
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).

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Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 003764.4</u>
RefSeq Size:	1970 bp
RefSeq ORF:	864 bp
Locus ID:	8676
UniProt ID:	<u>075558</u>
Cytogenetics:	6q24.2
Domains:	SynN
Protein Families:	Druggable Genome
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	This gene encodes a member of the syntaxin family. Syntaxins have been implicated in the targeting and fusion of intracellular transport vesicles. This family member may regulate protein transport among late endosomes and the trans-Golgi network. Mutations in this gene have been associated with familial hemophagocytic lymphohistiocytosis. [provided by RefSeq, Jul 2008]

## **Product images:**



Circular map for RG206571

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