

# Product datasheet for MR225724L1

# Stat5b (NM\_011489) Mouse Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids	
Product Name:	Stat5b (NM_011489) Mouse Tagged Lenti ORF Clone	
Tag:	Myc-DDK	
Symbol:	Stat5b	
Mammalian Cell Selection:	None	
Vector:	pLenti-C-Myc-DDK (PS100064)	
E. coli Selection:	Chloramphenicol (34 ug/mL)	
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(N $\$	1R225724).
<b>Restriction Sites:</b>	Sgfl-Mlul	
Cloning Scheme:		
	Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GCC ATG // NNN ACG CGT	
		ORF
	CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C	

GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L D Y K D D D K V stop

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_011489 2358 bp



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<b>ORIGENE</b> Stat	b (NM_011489) Mouse Tagged Lenti ORF Clone – MR225724L1
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).
Reconstitution Method	<ol> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 011489.3, NP 035619.3</u>
RefSeq Size:	5255 bp
RefSeq ORF:	2361 bp
Locus ID:	20851
UniProt ID:	<u>P42232</u>
Cytogenetics:	11 63.63 cM
Gene Summary:	Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription. Positively regulates hematopoietic/erythroid differentiation.[UniProtKB/Swiss-Prot Function]

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## **Product images:**



Circular map for MR225724L1

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