

Product datasheet for **RC222090L1V**

SBF1 (NM_002972) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SBF1 (NM_002972) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SBF1
Synonyms:	CMT4B3; DENND7A; MTMR5
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002972
ORF Size:	5601 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222090).
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.
RefSeq:	NM_002972.1 , NP_002963.1
RefSeq Size:	6134 bp
RefSeq ORF:	5682 bp
Locus ID:	6305
UniProt ID:	O95248
Cytogenetics:	22q13.33
Protein Families:	Druggable Genome, Phosphatase
MW:	208.32 kDa



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Gene Summary:

This gene encodes a member of the protein-tyrosine phosphatase family. However, the encoded protein does not appear to be a catalytically active phosphatase because it lacks several amino acids in the catalytic pocket. This protein contains a Guanine nucleotide exchange factor (GEF) domain which is necessary for its role in growth and differentiation. Mutations in this gene have been associated with Charcot-Marie-Tooth disease 4B3. Pseudogenes of this gene have been defined on chromosomes 1 and 8. [provided by RefSeq, Dec 2014]