

Product datasheet for **MR209464L3V**

Nxf1 (NM_016813) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nxf1 (NM_016813) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nxf1
Synonyms:	Mex67; Mvb1; Tap
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_016813
ORF Size:	1857 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209464).
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_016813.2 , NP_058093.2
RefSeq Size:	2312 bp
RefSeq ORF:	1857 bp
Locus ID:	53319
UniProt ID:	Q99JX7
Cytogenetics:	19 5.5 cM



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Gene Summary:

Involved in the nuclear export of mRNA species bearing retroviral constitutive transport elements (CTE) and in the export of mRNA from the nucleus to the cytoplasm (TAP/NXF1 pathway). The NXF1-NXT1 heterodimer is involved in the export of HSP70 mRNA in conjunction with ALYREF/THOC4 and THOC5 components of the TREX complex. ALYREF/THOC4-bound mRNA is thought to be transferred to the NXF1-NXT1 heterodimer for export. Also involved in nuclear export of m6A-containing mRNAs: interaction between SRSF3 and YTHDC1 facilitates m6A-containing mRNA-binding to both SRSF3 and NXF1, promoting mRNA nuclear export.[UniProtKB/Swiss-Prot Function]