

Product datasheet for **MR204114L3V**

Fbxo2 (NM_176848) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Fbxo2
Synonyms:	FBG1; Fbs1; Fbs2; FBX2; NFB42; Prpl4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_176848
ORF Size:	891 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR204114).

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_176848.1](#), [NP_789818.1](#)

RefSeq Size: 1260 bp

RefSeq ORF: 894 bp

Locus ID: 230904

UniProt ID: [Q80UW2](#)

Cytogenetics: 4 78.68 cM



Gene Summary:

Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Involved in the endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded luminal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Prevents formation of cytosolic aggregates of unfolded glycoproteins that have been retrotranslocated into the cytosol. Able to recognize and bind denatured glycoproteins, preferentially those of the high-mannose type.[UniProtKB/Swiss-Prot Function]