

Product datasheet for **MR206431L4V**

Fam20b (NM_145413) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fam20b (NM_145413) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fam20b
Synonyms:	C530043G21Rik; mKIAA0475
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145413
ORF Size:	1227 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206431).
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_145413.4 , NP_663388.1
RefSeq Size:	4238 bp
RefSeq ORF:	1230 bp
Locus ID:	215015
UniProt ID:	Q8VCS3
Cytogenetics:	1 G3


[View online »](#)

Gene Summary:

Responsible for the 2-O-phosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature GAG chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUA β 1-3Gal β 1-3Gal β 1-4Xyl β 1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-phosphorylation may influence the catalytic activity of B3GAT3 (GlcAT-I) which completes the precursor tetrasaccharide of GAG-protein linkage regions on which the repeating disaccharide region is synthesized.[UniProtKB/Swiss-Prot Function]