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Product datasheet for MR206120L3V

Bmp15 (NM_009757) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Bmp15 (NM_009757) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bmp15
Synonyms:	AU015375; AU018861; AU021453; Bmp-1; Bmp-15; C86824; C87336; GDF-9B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009757
ORF Size:	1179 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206120).
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_009757.3, NP_033887.1
RefSeq Size:	3086 bp
RefSeq ORF:	1179 bp
Locus ID:	12155
UniProt ID:	Q9Z0L4
Cytogenetics:	X 2.81 cM

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Gene Summary: This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate subunits of a disulfide-linked homodimer, or alternatively, a heterodimer, with the related protein, growth differentiation factor 9 (GDF9). This protein plays a role in oocyte maturation and follicular development, through activation of granulosa cells. Female mice lacking a functional copy of this gene exhibit impaired fertility. [provided by RefSeq, Aug 2016]