

Product datasheet for **MR221944L4V**

Zfp423 (NM_033327) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Zfp423 (NM_033327) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Zfp423
Synonyms:	ataxia1; Ebfaz; mKIAA0760; nur12; Roaz; Zfp104; Znf423
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033327
ORF Size:	3879 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221944).
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_033327.2 , NP_201584.2
RefSeq Size:	4916 bp
RefSeq ORF:	3879 bp
Locus ID:	94187
UniProt ID:	Q80TS5
Cytogenetics:	8 C3



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Gene Summary:

Transcription factor that can both act as an activator or a repressor depending on the context. Plays a central role in BMP signaling and olfactory neurogenesis. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved in terminal olfactory receptor neurons differentiation; this interaction preventing EBF1 to bind DNA and activate olfactory-specific genes. Involved in olfactory neurogenesis by participating in a developmental switch that regulates the transition from differentiation to maturation in olfactory receptor neurons. Controls proliferation and differentiation of neural precursors in cerebellar vermis formation.[UniProtKB/Swiss-Prot Function]