

Product datasheet for **MR214418L3V**

Tex40 (Catsperz) (NM_001039494) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tex40 (Catsperz) (NM_001039494) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Catsperz
Synonyms:	1700019N12Rik; A430107B04Rik; MLZ-622
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001039494
ORF Size:	582 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR214418).
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_001039494.2 , NP_001034583.1
RefSeq Size:	781 bp
RefSeq ORF:	585 bp
Locus ID:	67077
UniProt ID:	Q9CQP8
Cytogenetics:	19 A



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Gene Summary:

Auxiliary component of the CatSper complex, a complex involved in sperm cell hyperactivation (PubMed:28226241, PubMed:31056283). Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization (PubMed:28226241, PubMed:31056283). Required for a distribution of the CatSper complex in linear quadrilateral nanodomains along the flagellum, maximizing fertilization inside the mammalian female reproductive tract (PubMed:28226241). Together with EFCAB9, associates with the CatSper channel pore and is required for the two-row structure of each single CatSper channel (PubMed:31056283).[UniProtKB/Swiss-Prot Function]