OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR223543L4V

Ano5 (NM_177694) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ano5 (NM_177694) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ano5
Synonyms:	9330162L24; Gdd1; Tmem16e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177694
ORF Size:	2712 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223543).
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_177694.6, NP_808362.2
RefSeq Size:	7785 bp
RefSeq ORF:	2715 bp
Locus ID:	233246
UniProt ID:	Q75UR0
Cytogenetics:	7 B4

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Gene Summary: This gene encodes a member of the anoctamin family, which in mammals is comprised of 10 members. Anoctamin proteins are proposed to have eight transmembrane domains with both termini facing the cytoplasm and a C-terminal domain of unknown function. While some members have been characterized as calcium-activated chloride channels, this protein is reported to have little anion conductance activity. Elevated levels of this protein were found in dystrophic mice. In humans, mutations of this gene are associated with with musculoskeletal disorders such as myopathies, muscular dystrophy and gnathodiaphyseal dysplasia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]