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Product datasheet for MR215425L4V

Tpo (NM_009417) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tpo (NM_009417) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tpo
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009417
ORF Size:	2742 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215425).
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_009417.2, NP_033443.1
RefSeq Size:	3291 bp
RefSeq ORF:	2745 bp
Locus ID:	22018
UniProt ID:	P35419
Cytogenetics:	12 13.0 cM

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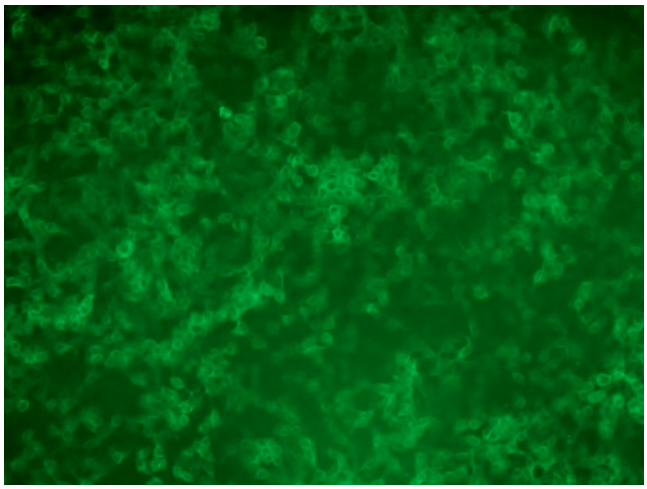
Gene Summary: This gene encodes a membrane-bound glycoprotein. The encoded enzyme plays a central role in thyroid gland function. The enzyme functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, thyroxine and triiodothyronine. Mice with homozygous missense mutations in this gene exhibit hypothyroid dwarfism and hearing impairment. [provided by RefSeq, Sep 2015]

Product images:



[MR215425L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR215425L4V particle to overexpress human Tpo-mGFP fusion protein.