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Product datasheet for RC214812L4V

Tyrosine Hydroxylase (TH) (NM_199292) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tyrosine Hydroxylase (TH) (NM_199292) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TH
Synonyms:	DYT5b; DYT14; TYH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_199292
ORF Size:	1584 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214812).
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_199292.1
RefSeq Size:	1921 bp
RefSeq ORF:	1587 bp
Locus ID:	7054
UniProt ID:	P07101
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Parkinson's disease, Tyrosine metabolism

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MW: 58.4 kDa

Gene Summary: The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jul 2008]