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Product datasheet for RC221797L1V

Tyrosinase (TYR) (NM_000372) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tyrosinase (TYR) (NM_000372) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Tyrosinase
Synonyms:	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000372
ORF Size:	1587 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221797).
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_000372.3
RefSeq Size:	1964 bp
RefSeq ORF:	1590 bp
Locus ID:	7299
UniProt ID:	P14679
Cytogenetics:	11q14.3
Protein Families:	Transmembrane
Protein Pathways:	Melanogenesis, Metabolic pathways, Riboflavin metabolism, Tyrosine metabolism

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MW: 60.39 kDa

Gene Summary: The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq, Oct 2008]