

Product datasheet for **RC228228L4V**

IYD (NM_001164694) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	IYD
Synonyms:	C6orf71; DEHAL1; IYD-1; TDH4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001164694
ORF Size:	879 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC228228).

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_001164694.1](#)

RefSeq ORF: 882 bp

Locus ID: 389434

UniProt ID: [Q6PHW0](#)

Cytogenetics: 6q25.1

Protein Families: Transmembrane



MW: 33.6 kDa

Gene Summary: This gene encodes an enzyme that catalyzes the oxidative NADPH-dependent deiodination of mono- and diiodotyrosine, which are the halogenated byproducts of thyroid hormone production. The N-terminus of the protein functions as a membrane anchor. Mutations in this gene cause congenital hypothyroidism due to dysmorphogenesis type 4, which is also referred to as deiodinase deficiency, or iodotyrosine dehalogenase deficiency, or thyroid morphogenesis type 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]