

Product datasheet for **SC209483**

IMPDH1 (NM_001142574) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IMPDH1 (NM_001142574) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	IMPDH1
Synonyms:	IMPD; IMPD1; IMPDH-I; LCA11; RP10; sWSS2608
ACCN:	NM_001142574
Insert Size:	760 bp
Insert Sequence:	>SC209483 3'UTR clone of NM_001142574 The sequence shown below is from the reference sequence of NM_001142574. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCACTCTTACGAAAAGCGGCTGTACTGAGGACAGCGGTGGAGGCCGAGGTGGTGGAGGGGATGCACC
CCAGTGTCCACTTTTGGGCACAGCCTCCCTCCATAACTGAGTGGTCCACAGATTGCACTACGGTTCT
CCAGCTCCTTTCCAGGCAGAGAGAGGGGAGGTCTGAGGGGACTGCTGCCCTCACTCGGCATCCCT
GCAGAGTCAGGACTGCTCCCGGGCCAGGCTGCCCTGGGAGCCCCCTCCGAGCCAGCCAGCCAGGCT
CTCAGGCCCTGCGCCTGCCTCAGGTCTTCTTGCTGCAGCCTGCTCCAGCCTGGCCCCACCCAGGGG
CAGGGGCCCTCCTGGCTTCTCCTGTAGGGCACCTCCCTGCCCTAGCCTCCAGGAAATGGTGTCTCT
CCTGGCCCTGCCTTGGCCCTTCCCGGGCCGCTGCCCTCAGCCATGTGGCACTTCTGAGCTCCTGACC
TAGGCAAGGGGAGGTCTTGGCCCTTCCCGGGCCCTGGGCTACCCTTGGGTCTGCTCCTCAGGCCG
CTCCCTGTCCCTGGCCATGGGTAGGAGACTGCCCTGGTCATGGCCGCTGCTGTCATTCTGACTCA
CCACCGTCCCCAGGTGAACCATTCCTCCCTTCTCCTCAGCTGCAGTCGAAGGCTTAACTTTGCACACT
TGGGATCACAGTTGCGTCATTGTGTATTAATACTTGAATAAATCAAGCAGGTCTCAAGCCTCCACTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001142574.2</u>
Summary:	The protein encoded by this gene acts as a homotetramer to regulate cell growth. The encoded protein is an enzyme that catalyzes the synthesis of xanthine monophosphate (XMP) from inosine-5'-monophosphate (IMP). This is the rate-limiting step in the de novo synthesis of guanine nucleotides. Defects in this gene are a cause of retinitis pigmentosa type 10 (RP10). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
Locus ID:	3614
MW:	26.6