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Product datasheet for SC209484

IMPDH1 (NM_000883) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: IMPDH1 (NM_000883) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: IMPDH1

Synonyms: IMPD; IMPD1; IMPDH-I; LCA11; RP10; sWSS2608

ACCN: NM_000883

Insert Size: 760 bp

Insert Sequence:

>SC209484 3'UTR clone of NM_000883
The sequence shown below is from the reference sequence of NM_000883. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCACTCTTACGAAAAGCGGCTGTACTGAGGACAGCGGTGGAGGCCGAGGTGGTGGAGGGGATGCACC
CCAGTGTCCACTTTTGGGCACAGCCTCCCTCCATAACTGAGTGGTCCACAGATTTGCACTACGGGTTCT
CCAGCTCCTTTCCAGGCAGAGAGGAGGGGAGGTCCTGAGGGGACTGCTGCCCCTCACTCGGCATCCCCT
GCAGAGTCAGGACTGCTCCCGGGGCCAGGCTGCCCTGGGAGCCCCCCTCCGAGCCCAGCCAGCCAGGCT
CTCAGGCCCTGCGCCTGCCTCAGGTCTTTCTTGCTGCAGCCTGCTCCAGCCTGGCCCCCACCCCAGGGG
CAGGCGGCCCCTCCTGGCTTCTCCTGTAGGGCACCTCCCTGCCCCTAGCCTCCCAGGAAATGGTGCTCT
CCTGGCCCTGCCTCTGGCCCTTCCCGGGCCGCTGCCCCTCAGCCATGTGGCACTTCTGAGCTCCTGACC
TAGGCCAAGGGGAGGTCTCTGCCCCCTTCCCCGGCCCTGGGCTACCCTTGGGTCCTGCTCCTCAGGCCG
CTCCCCTGTCCCTGGCCATGGGTAGGAGACTGCCCTGGTCATGGCCGCCTGCCTGTCATTCCTGACTCA
CCACCGTCCCCAGGTGAACCATTCCTCCCTTCTCCTCAGCTGCAGTCGAAGGCTTTAACTTTGCACACT
TGGGATCACAGTTGCGTCATTGTGTATTAAATACTTGGAATAAATCAAGCAGGTCTCAACGCCTCCACTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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: NM_000883.4

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