

## Product datasheet for **SC209488**

### IMPDH1 (NM\_183243) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** IMPDH1 (NM\_183243) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** IMPDH1  
**Synonyms:** IMPD; IMPD1; IMPDH-I; LCA11; RP10; sWSS2608  
**ACCN:** NM\_183243  
**Insert Size:** 760 bp  
**Insert Sequence:** >SC209488 3'UTR clone of NM\_183243  
The sequence shown below is from the reference sequence of NM\_183243. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCACTCTTACGAAAAGCGGCTGTACTGAGGACAGCGGTGGAGGCCGAGGTGGTGGAGGGGATGCACC
CCAGTGTCACACTTTTGGGCACAGCCTCCCTCCATAACTGAGTGGTCCACAGATTGCACTACGGTTCT
CCAGCTCCTTTCCAGGCAGAGAGAGGGGAGGTCTGAGGGGACTGCTGCCCTCACTCGGCATCCCT
GCAGAGTCAGGACTGCTCCCGGGCCAGGCTGCCCTGGGAGCCCCCTCCGAGCCAGCCAGCCAGGCT
CTCAGGCCCTGCGCCTGCCTCAGGTCTTCTTGCTGCAGCCTGCTCCAGCCTGGCCCCACCCAGGGG
CAGGGGCCCTCCTGGCTTCTCCTGTAGGGCACCTCCCTGCCCTAGCCTCCAGGAAATGGTGTCTCT
CCTGGCCCTGCCTTGGCCCTTCCCGGGCCGCTGCCCTCAGCCATGTGGCACTTCTGAGCTCCTGACC
TAGGCCAAGGGGAGGTCTTGGCCCTTCCCGGGCCCTGGGCTACCCTTGGGTCTGCTCCTCAGGCCG
CTCCCTGTCCCTGGCCATGGGTAGGAGACTGCCCTGGTCATGGCCGCTGCTGCTCATTCTGACTCA
CCACCGTCCCCAGGTGAACCATTCCTCCCTTCTCCTCAGCTGCAGTCGAAGGCTTAACTTTGCACACT
TGGGATCACAGTTGCGTCATTGTGTATTAATACTTGAATAAATCAAGCAGGTCTCAACGCCTCCACTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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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|                    |  |
|--------------------|--|
| <b>Components:</b> | 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.   |
| <b>RefSeq:</b>     | <u><a href="#">NM_183243.3</a></u>   |
| <b>Summary:</b>    | 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] |
| <b>Locus ID:</b>   | 3614   |
| <b>MW:</b>         | 26.6   |