

Product datasheet for SC206478

OriGene Technologies, Inc.

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Inosine triphosphate pyrophosphatase (ITPA) (NM 033453) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Inosine triphosphate pyrophosphatase (ITPA) (NM 033453) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: ITPA

Synonyms: C20orf37; DEE35; dJ794l6.3; HLC14-06-P; ITPase; My049; NTPase

ACCN: NM_033453

Insert Size: 428 bp

Insert Sequence: >SC206478 3'UTR clone of NM_033453

The sequence shown below is from the reference sequence of NM_033453. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

ATATCTGTTTTGAA

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: Sgfl-Mlul

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).

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 033453.4</u>





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Summary: This gene encodes an inosine triphosphate pyrophosphohydrolase. The encoded protein

hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate nucleotide and diphosphate. This protein, which is a member of the HAM1 NTPase protein family, is found in the cytoplasm and acts as a homodimer. Defects in the encoded protein

can result in inosine triphosphate pyrophosphorylase deficiency which causes an

accumulation of ITP in red blood cells. Alternate splicing results in multiple transcript variants.

[provided by RefSeq, Jun 2012]

Locus ID: 3704

MW: 15.2