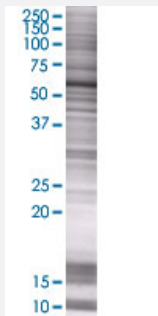


IMPDH1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003614-T01

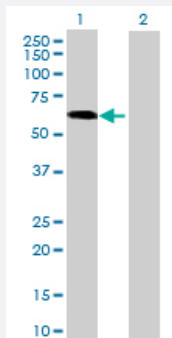
Size 100 uL

Applications



SDS-PAGE Gel

IMPDH1 transfected lysate.



Western Blot

Lane 1: IMPDH1 transfected lysate (62.04 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-IMPDH1 full-length

Host Human

Theoretical MW (kDa) 62.04

Quality Control Testing Transient overexpression cell lysate was tested with Anti-IMPDH1 antibody ([H00003614-B01](#)) by Western Blots.
SDS-PAGE Gel
IMPDH1 transfected lysate.
Western Blot
Lane 1: IMPDH1 transfected lysate (62.04 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — IMPDH1

Entrez GeneID[3614](#)**GeneBank Accession#**[NM_183243.1](#)**Protein Accession#**[NP_899066.1](#)**Gene Name**

IMPDH1

Gene Alias

DKFZp781N0678, IMPD, IMPD1, LCA11, RP10, sWSS2608

Gene Description

IMP (inosine monophosphate) dehydrogenase 1

Omim ID[146690 180105](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

Other Designations

inosine monophosphate dehydrogenase 1

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Acute Disease](#)
- [Gastroenteritis](#)
- [Genetic Predisposition to Disease](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Refractive Errors](#)
- [Retinal Diseases](#)
- [Retinitis Pigmentosa](#)