Datasheet for ABIN2723434
IMPDH1 Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)

Overview

Quantity: 20 μg
Target: IMPDH1
Protein Characteristics: Transcript Variant 2
Origin: Human
Source: HEK-293 Cells
Protein Type: Recombinant
Purification tag / Conjugate: This IMPDH1 protein is labelled with Myc-DYKDDDDK Tag.
Application: Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:
- Recombinant human IMPDH1 / IMPD1 (transcript variant 2) protein expressed in HEK293 cells.
- Produced with end-sequenced ORF clone

Purity: > 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target: IMPDH1
Alternative Name: Impdh1,impd1 (IMPDH1 Products)
Background: 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...
**Target Details**

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.

<table>
<thead>
<tr>
<th>Molecular Weight:</th>
<th>60.3 kDa</th>
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<tbody>
<tr>
<td>NCBI Accession:</td>
<td>NP_899066</td>
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<tr>
<td>Pathways:</td>
<td>Ribonucleoside Biosynthetic Process</td>
</tr>
</tbody>
</table>

**Application Details**

Application Notes: Recombinant human proteins can be used for:
- Native antigens for optimized antibody production
- Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

**Handling**

Concentration: 50 μg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

**Images**

**Western Blotting**

*Image 1. Validation with Western Blot*