Recombinant Human IMPDH1 protein, His-tagged

Cat. No. IMPDH1-280H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IMPDH1 protein(170-235 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	170-235 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	LSPSHTVGDVLEAKMRHGFSGIPITETGTMGSKLVGIVTSRDIDFLAEKDHTTLLSEV MTPRIELV
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/

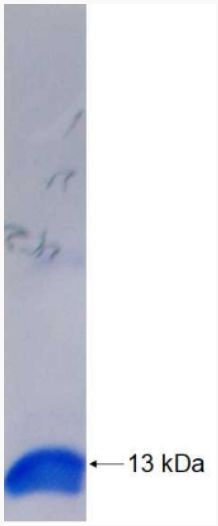
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	μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	IMPDH1 IMP (inosine 5-monophosphate) dehydrogenase 1 [Homo sapiens]
Official Symbol	IMPDH1
Synonyms	IMPDH1; IMP (inosine 5-monophosphate) dehydrogenase 1; IMP (inosine monophosphate) dehydrogenase 1 , retinitis pigmentosa 10 (autosomal dominant) , RP10; inosine-5-monophosphate dehydrogenase 1; LCA11; sWSS2608; IMPD 1; IMPDH 1; IMPDH-I; IMP dehydrogenase 1; IMP (inosine monophosphate) dehydrogenase 1; IMPD; RP10; IMPD1; DKFZp781N0678;
Gene ID	3614
mRNA Refseq	NM_000883
Protein Refseq	NP_000874
MIM	146690
UniProt ID	P20839

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SDS-PAGE	

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