

IMP Dehydrogenase 1 Human Recombinant

Item Number	rAP-1015
Synonyms	EC 1.1.1.205, IMP (inosine monophosphate) dehydrogenase 1, LCA11, RP10, IMPDH 1, IMPD 1, IMPDH-I, SwSS2608, DKFZp781N0678.
Description	IMPDH1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 534 amino acids (1-514 a.a.) and having a molecular mass of 57.5 kDa. The IMPDH1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P20839
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MADYLISGGT GYVPEDGLTA QQLFASADGL TYNDFLILPG FID- FIADEVDTLSALTRKIT LKTPLISSPM DTVTEADMAI AMALMGGIGF IHHNCTPEFQ ANEVRKVKKF EQG- FITDPVV LSPSHTVGDV LEAKMRHGFS GIPITETGTM GSKLVGIVTS RDIDFLAEKD HTTLLSEVMT PRI- ELVVAPA GVTLKEANEI LQRSKKGKLP IVNDCDELVA IIARTDLKKN RDYPLASKDS QKQLLCGA AV GTREDDKYRL DLLTQAGVDV IVLDSSQGNS VYQIAMVHYI KQKYPHLQVI GGNVVVAAAQA KNLIDAGVDG LRVGMGCGSI CITQEVMACG RPQGTAVYKV AEYARRFGVP IADGGIQT V GHVV- KALALG ASTVMMGSL L AATTEAPGEY FFS DGVRLKK YRGMGSLDAM EKSSSSQKRY FSEGDKVKIA QGVSGSIQDK GSIQKFVPYL IAGIQHGCQD IGARSLSVLR SMMYSGELKF EKRTMSAQIE
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	IMPDH1 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT & 20% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**