

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

IMPDH1, 1-514aa, Human, His tag, E.coli

产品货号: TP02660

第三版

别名: Inosine-5'-monophosphate dehydrogenase 1, IMPD, IMPD1, LCA11, RP10

描述: Inosine-5'-monophosphate dehydrogenase 1, also known as IMPDH1 catalyzes the synthesis of xanthine monophosphate (XMP) from inosine-5'-monophosphate (IMP). Also, IMPDH1 is a ubiquitously expressed enzyme, functioning as a homotetramer, which catalyzed the rate-limiting step in de novo synthesis of guanine nucleotides. As such, it plays an important role in cyclic nucleoside metabolism within photoreceptors.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol

分子量: 57.5 kDa (534aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHHSSGLVPRGSHMADYLISGGTGYVPEDGLTAQQLFASADGLTYNDFLILPGFIDFIADEVDLTSALTRKITL
KTPLISSPMDTVTEADMAIAMALMGGIGFIHHNCTPEFQANEVRKVKKFEQGFITDPVVLSPSHTVGDVLEAKMRHGFSG
IPITETGTMGSKLVGIVTSRDIDFLAEKDHTLLSEVMTPRIELVVAPAGVTLKEANEILQRSKKGKLPVNDCELVIIART
DLKKNRDYPLASKDSQKQLLCGAAVGTREDDKYRLDLLTQAGVDVIVLDSSQGNSVYQIAMVHYIKQKYPHLQVIGGN
VVTAQAQAKNLIDAGVDGLRVGMGCGSICITQEVMACGRPQGTAVYKVAEYARRFGVPIIADGGIQTVGHVVKALALGA
STVMMGSLAATTEAPGEYFFSDGVRLKKYRGMGSLDAMEKSSSSQKRYFSEGDVKVIAQGVSGSIQDKGSIQKFVPLYIAG
IQHGCQDIGARSLSVLRSMMSYSGELKFEKRTMSAQIEGGVHGLHSYEKRLY
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纯度: > 95% by HPLC

浓度: 0.5mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.