

Hydroxyprostaglandin Dehydrogenase 15-(NAD) Human Recombinant

Item Number	rAP-1020
Synonyms	GDH1, SDR36C1, 15-PGDH, PGDH, Prostaglandin dehydrogenase 1, hydroxyprostaglandin dehydrogenase 15-(NAD)
Description	HPGD Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 286 amino acids (1-266a.a.) and having a molecular mass of 31.1 kDa. HPGD is fused to a 20 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P15428
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MHVNGKVALV TGAAQGIGRA FAEALLKGA KVALVDWNLE AGVQCKAALD EQFEPQKTLF IQCDVADQQQ LRDTRKVVVD HFGRDLILVN NAGVNNEKNW EKTLQINLVS VISGTYLGLD YMSKQNGGEG GIIINMSSLA GLMPVAQQPV YCASKHGIVG FTRSAALAAN LMNSGVRLNA ICPGFVNTAI LESIEKEENM GQYIEYKDHI KDMIKYYGIL DPPLIANGLI TLIEDDALNG AIMKITTSKG IHFQDYDTTP FQAKTQ.
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). Please avoid freeze thaw cycles.
Formulation and Purity	The HPGD protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl, 1mM DTT and 20% glycerol. Greater than 95% 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**