

## 32-2448: HPGD Recombinant Protein

**Alternative Name :** GDH1,SDR36C1,15-PGDH,PGDH,Prostaglandin dehydrogenase 1, hydroxyprostaglandin dehydrogenase 15-(NAD)

### Description

Source : Escherichia Coli. 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 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. HPGD is the essential enzyme of prostaglandin degradation. 15-PGDH protein strongly decreases the biologic activity of these molecules by catalyzing the oxidation of the 15-hydroxyl group of prostaglandins to a keto group. GDH1 is involved in numerous physiologic and cellular processes, for instance inflammation.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The HPGD protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl,1mM DTT and 20% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MHVNGKVALV TGAAQGIGRA FAEALLKGA KVALVDWNLE  
AGVQCKAALD EQFEPQKTLF IQCDVADQQQ LRDTFRKVVD HFGRLDILVN NAGVNNEKNW EKTQLINLVS  
VISGTYLGLD YMSKQNGGEG GIIINMSSLA GLMPVAQQPV YCASKHGIVG FTRSAALAN LMNSGVRLNA  
ICPGFVNTAI LESIEKEENM GQYIEYKDHI KDMIKYYGIL DPPLIANGLI TLIEDDALNG AIMKITTSG  
IHFQDYDTTP FQAKTQ.