

## 32-6808: HPGD Mouse

**Alternative Name :** 15-hydroxyprostaglandin dehydrogenase [NAD(+)] (EC:1.1.1.141), 15-PGDH, Hpgd, Pgdh1, Prostaglandin dehydrogenase 1.

### Description

Source: E.coli.

Sterile Filtered colorless solution.

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.

HPGD Mouse Recombinant produced in E. coli is a single polypeptide chain containing 292 amino acids (1-269) and having a molecular mass of 31.6kDa. HPGD is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The HPGD solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0) and 10% 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMHVNGKV ALVTGAAQGI GKAF AEALLL HGAKVALVDW  
NLEAGVKCKA ALDEQFEPQK TLFVQCDVAD QKQLRDTFRK VVDHFGRLDI LVNNAAGVNNE  
KNWEQTLQIN LVSVISGTYL GLDYMSKQNG GEGGIIINMS SLAGLMPVAQ QPVYCASKHG IIGFTRSAAM  
AANL MKSGVR LNVICPGFVD TPILESIEKE ENMGQYIEYK DQIKAMMKFY GVLHPSTIAN GLINLIEDDA  
LNGAIMKITA SKGIHFQDYD ISPLLVKAPL TS.