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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. Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â

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 SSGLVPRGSH MGSMHVNGKV ALVTGAAQGI GKAFAEALLL HGAKVALVDW NLEAGVKCKA ALDEQFEPQK TLFVQCDVAD QKQLRDTFRK VVDHFGRLDI LVNNAGVNNE KNWEQTLQIN LVSVISGTYL GLDYMSKQNG GEGGIIINMS SLAGLMPVAQ QPVYCASKHG IIGFTRSAAM AANLMKSGVR LNVICPGFVD TPILESIEKE ENMGQYIEYK DQIKAMMKFY GVLHPSTIAN GLINLIEDDA LNGAIMKITA SKGIHFQDYD ISPLLVKAPL TS.

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