

32-6807: HPD Mouse

Alternative Name : 4-hydroxyphenylpyruvate dioxygenase, 4-hydroxyphenylpyruvic acid oxidase, 4HPPD, HPD, HPPDase, F Alloantigen, F protein.

Description

Source: Escherichia Coli.

Sterile Filtered clear 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.

HPD Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 416 amino acids (1-393 a.a) and having a molecular mass of 47.4kDa. HPD is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 90% as determined by SDS-PAGE.

Content : HPD protein solution (0.5mg/ml) contains 10% glycerol & 20mM Tris-HCl (pH 8.0).

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 MGSMTTYNNK GPKPERGRFL HFHSVTFWVG NAKQAASFYC
NKMGEPLAY RGLETGSREV VSHVIKQGGI VFVLCALNP WNKEMGDHLV KHGDGVKDIA
FEVEDCDHIV QKARERGAKE VREPWVEQDK FGKVKFAVLQ TYGDTTHTLV EKINYTGRL
PGFEAPTYKD TLLPKLPRCN LEIIDHIVGN QPDQEMQSAS EWYLKNLQFH RFWSVDDTQV
HTEYSSLRSI VVTNYESIK MPINEPAPGR KKSQIQEYVD YNGGAGVQHI ALKTEIITA
IRHLRERGTE FLAAPSSYYK LLRENLSAK IQVKESMDVL EELHILVDYD EKGILLQIFT
KPMQDRPTLF LEVIQRHNNH GFGAGNFNSL FKAEEEEQAL RGNLTDLEPN GVRSGM.