

32-2435: HDHD2 Recombinant Protein

Alternative Name : Haloacid Dehalogenase-like Hydrolase Domain Containing 2,DKFZP564D1378,3110052N05Rik,DKFZp564D1378.

Description

Source : Escherichia Coli. HDHD2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 279 amino acids (1-259a.a.) and having a molecular mass of 30.6kDa. HDHD2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. HDHD2 is a member of the HAD-like hydrolase superfamily which includes L-2-haloacid dehalogenase, epoxide hydrolases and phosphatases. There are two active sites in HDHD2 - an L-2-haloacid dehalogenase and a carboxylate group. The L-2-haloacid dehalogenase active site catalyzes the hydrolytic dehalogenation of D- and L-2-haloalkanoic acids, producing L- and D-2-hydroxyalkanoic acids.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The HDHD2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT, 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 it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAACRALKAV LVDLSGTLHI EDAAVPGAQE ALKRLRGASV IIRFVTNTTK ESKQDLLERL RKLEFDISED EFTSLTAAR SLLERKQVRP MLLVDDRALP DFKGIQTSDP NAVVMGLAPE HFHYQILNQA FRLLLDGAPL IAIHKARYYK RKDGLALGPG PFVTALEYAT DTKATVVGKP EKTFFLEALR GTGCEPEEAV MIGDDCRDDV GGAQDVGMLG ILVKTGKYRA SDEEKINPPP YLTCESEFPHA VDHLQHLL

