

## 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 SGLVPRGSH MAACRALKAV LVDLSGTLHI EDAAVPGAQE ALKRLRGASV  
IIRFVTNTTK ESKQDLLERL RKLEFDISED EIFTSLTAAR SLLERKQVRP MLLVDDRALP  
DFKGIQTSDP NAVVMGLAPE HFHYQILNQA FRLLLDGAPL IAIHKARYYK RKDGLALGPG  
PFVTALEYAT DTKATVVGKP EKTFLEALR GTGCEPEEAV MIGDDCRDDV GGAQDVGMLG  
ILVKTGKYRA SDEEKINPPP YLTCEFPHA VDHLQHLL

