

HDHD2, 1-259aa, Human, His tag, E.coli

Cat.NO.: TP02429

3th Edition

Synonyms:Haloacid dehalogenase-like hydrolase domain containing 2, 3110052N05Rik, DKFZp564D1378

Description:Haloacid dehalogenase-like hydrolase domain containing 2, also known HDHD2, belongs to the HADlike hydrolase superfamily. This family of hydrolase enzymes includes L-2-haloacid dehalogenase, epoxide hydrolases and phosphatases. HDHD2 has two active sites, 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 0.1M NaCl

Molecular Weight:30.6 kDa (279aa), confirmed by MALDI-TOF

Sequences:

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MGSSHHHHHSSGLVPRGSHMAACRALKAVLVDLSTLHIEDAAVPGAQEALKRLRGASVIIRFVTNTTKESKQDL  
LERLRKLEFDISEDEIFTSLTAARSLLERKQVRPMLLVDDRALPDFKGIQTSDPNAVVMGLAPEHFHYQILNQAFRL  
LDGAPLIAHKARYYKRKDGALGPGPFVTALEYATDTKATVVGKPEKTFLEALRGTGCEPEEAVMIGDDCRDDVG  
GAQDVGMLGILVKTGKYRASDEEKINPPPYLTCESEPHAVDHILQHLL
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Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.