Recombinant human HDHD2 protein

Catalog Number: ATGP0818

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-259aa

UniProt No.
Q9H0R4

NCBI Accession No.
NP_115500

Alternative Names
Haloacid dehalogenase-like hydrolase domain containing 2, 3110052N05Rik, DKFZp564D1378

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

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

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Haloacid dehalogenase-like hydrolase domain containing 2, also known HDHD2, belongs to the HAD-like 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. Recombinant human HDHD2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human HDHD2 protein

Catalog Number: ATGP0818

Amino acid Sequence

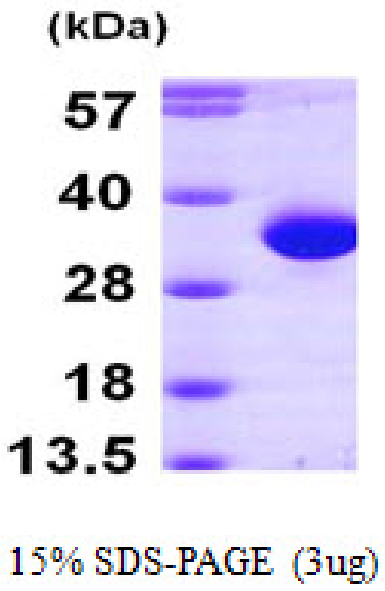
MGSSHHHHHH SSGLVPRGSH MAACRALKAV LVDLSGTLHI EDAAVPGAQE ALKRLRGASV IIRFVTNTTK ESKQDLLERL RKLEFDISED EIFTSLTAAR SLLERKQVRP MLLVDDRALP DFKGIQTSDP NAVVMGLAPE HFHYQILNQA FRLLLDGAPL IAIHKARYYK RKDGLALGPG PFVTALEYAT DTKATVVGKP EKTFFLEALR GTGCEPEEAV MIGDDCRDDV GGAQDVGMLG ILVKTGKYRA SDEEKINPPP YLTCESFPHA VDHILQHLL

General References

Carstea E D., et al. (1993) Proc Matl Acad Sci uSA. 90:2002-2004.
Beiraqhi S., et al. (2007) Am J Hum Genet. 81:180-188.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.