

Recombinant Human HDHD2 Protein (His Tag)

Catalog No. PKSH032520

Note: Centrifuge before opening to ensure complete recovery of vial contents.

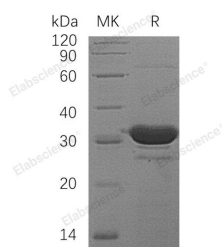
Description

Synonyms	Haloacid Dehalogenase-Like Hydrolase Domain-Containing Protein 2;HDHD2
Species	Human
Expression Host	E.coli
Sequence	Met 1-Leu259
Accession	Q9H0R4
Calculated Molecular Weight	30.7 kDa
Observed molecular weight	30 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 50mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Haloacid Dehalogenase-Like Hydrolase Domain-Containing Protein 22 (HDHD2) is a member of the HAD-like hydrolase

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superfamily. HDHD2 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.