Recombinant HDHD2 protein (His tag)

Catalog Number	550233
Species	Human
Expression System	E. coli
Accession	Q9H0R4
Molecular Weight	Predictes a molecular mass of 30.19 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1-259
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-259 aa (Q9H0R4) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant HDHD2 protein fragment (amino acids 1-259) from Homo sapiens, representing the complete Haloacid dehalogenase-like hydrolase domain. This carefully selected fragment has been computationally optimized for stability and solubility, making it an ideal reagent for structural biology studies and biochemical characterization of this important hydrolase domain. HDHD2 (Haloacid dehalogenase-like hydrolase domain-containing protein 2) is a human protein containing a conserved hydrolase domain. The full-length protein's specific biological function and subcellular localization have not been fully characterized. The Haloacid dehalogenase-like hydrolase domain represents a conserved structural motif found in various enzymes that typically catalyze hydrolytic reactions, suggesting potential roles in cellular metabolism and signaling pathways.