Recombinant HDHD3 protein (His tag)

Catalog Number	545812
Species	Human
Expression System	E. coli
Accession	Q9BSH5
Molecular Weight	Predictes a molecular mass of 29.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	1-251
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-251 aa (Q9BSH5) 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 HDHD3 protein fragment (residues 1-251) from Homo sapiens, representing the complete Haloacid dehalogenase-like hydrolase domain. This fragment was computationally optimized for stability and solubility, making it ideal for structural biology studies and biochemical characterization of this important hydrolase domain. The full-length Haloacid dehalogenase-like hydrolase domain-containing protein 3 (HDHD3) is encoded by the HDHD3 gene in humans. As a member of the haloacid dehalogenase-like hydrolase superfamily, HDHD3 is predicted to function as a hydrolase enzyme, though its specific biological substrates and cellular functions remain to be fully characterized. The protein's name suggests potential roles in dehalogenation or related metabolic processes, but detailed functional information and subcellular localization data are not currently available in the provided information.