Recombinant HDHD5 protein (His tag)

Catalog Number	551001
Synonyms	Cat eye syndrome critical region protein 5
Species	Human
Expression System	E. coli
Accession	Q9BXW7
Molecular Weight	Predictes a molecular mass of 43.74 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	43-423
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 43-423 aa (Q9BXW7) 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 HDHD5 protein fragment (residues 43-423) from Homo sapiens, representing a stable and soluble unit of Haloacid dehalogenase-like hydrolase domain-containing 5, ideal for structural and biochemical studies. Haloacid dehalogenase-like hydrolase domain-containing 5, also known as Cat eye syndrome critical region protein 5, is encoded by the HDHD5 gene in humans. The function and subcellular localization of the full-length protein are not fully characterized, but the selected fragment (43-423) was computationally designed to enhance stability and solubility for experimental applications in life science research.