Recombinant DEPD7 protein (His tag)

Catalog Number	550217
Synonyms	Protein TR2/D15
Species	Human
Expression System	E. coli
Accession	Q96QD5
Molecular Weight	Predictes a molecular mass of 32.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	249-511
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 249-511 aa (Q96QD5) 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 Human DEP Domain-Containing Protein 7 (DEPDC7) Fragment (aa 249-511) is a high-quality, stable protein fragment designed for structural and biochemical studies. This 263-amino acid fragment was computationally selected to ensure solubility and stability, making it an ideal tool for investigating the molecular functions of DEPDC7. The full-length DEP domain-containing protein 7 (encoded by the DEPDC7 gene) is a human protein with a DEP domain, which is often involved in mediating protein-protein interactions and cellular signaling pathways. While specific functional details and subcellular localization are not fully characterized, proteins containing DEP domains typically play roles in G-protein signaling, membrane targeting, or regulatory processes. This recombinant fragment provides a focused approach to explore the biochemical properties and potential interactions of DEPDC7, supporting research into its biological significance.