Recombinant DONS protein (His tag)

Catalog Number	534649
Synonyms	Protein humpty dumpty
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VNA8
Gene ID	40642
Molecular Weight	Predictes a molecular mass of 24.82 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	357-568
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 357-568 aa (Q9VNA8) 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 fragment of Protein downstream neighbor of son homolog (Protein humpty dumpty), spanning residues 357-568, designed for structural and biochemical studies. This 212-amino acid fragment represents a stable, soluble unit essential for investigating the protein's role in DNA amplification and cell proliferation. Protein downstream neighbor of son homolog (Protein humpty dumpty), encoded by the hd gene in Drosophila melanogaster, is essential for DNA amplification in the ovary and required for cell proliferation during development. It localizes to the nucleus, underscoring its involvement in critical nuclear processes. This fragment was computationally selected to provide a stable, soluble region for functional and structural analyses, facilitating research into its mechanisms in growth and replication.