Recombinant TPD52 protein (His tag)

Catalog Number	537849
Synonyms	Protein N8
Species	Human
Expression System	E. coli
Accession	P55327
Molecular Weight	Predictes a molecular mass of 18.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	72-224
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 72-224 aa (P55327) 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 Tumor protein D52 (Protein N8) fragment (residues 72-224) is a high-quality, soluble protein preparation ideal for structural biology studies and biochemical characterization. This 153-amino acid fragment was computationally designed for optimal stability and expression, providing researchers with a reliable tool for investigating TPD52 function. Tumor protein D52 (TPD52), encoded by the TPD52 gene in humans, is a protein whose specific functional details and subcellular localization require further experimental characterization. As a member of the TPD52-like protein family, it represents an important target for cancer research and cellular signaling studies, though comprehensive functional annotation remains an active area of investigation.