Recombinant TRI44 protein (His tag)

Catalog Number	538691
Synonyms	Protein DIPB
Species	Human
Expression System	E. coli
Accession	Q96DX7
Molecular Weight	Predictes a molecular mass of 21.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	164-344
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 164-344 aa (Q96DX7) 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 TRIM44 (Tripartite motif-containing protein 44) Fragment (aa 164-344) is a high-quality protein product designed for structural and biochemical studies. This 181-amino acid fragment, derived from the full-length protein, has been computationally selected for its stability and solubility, making it ideal for investigating neuronal differentiation and regulatory mechanisms. Tripartite motif-containing protein 44 (TRIM44), also known as Protein DIPB, is implicated in the differentiation and maturation of neuronal cells. It functions as a regulator of TRIM17 activity and acts as a negative regulator of PAX6 expression, highlighting its role in developmental and cellular processes. The provided recombinant fragment represents a stable, soluble unit optimized for experimental applications, enabling focused studies on TRIM44's functional domains without the complexities of the full-length protein.