Recombinant ZN644 protein (His tag)

Catalog Number	545939
Synonyms	Zinc finger motif enhancer-binding protein 2; Zep-2
Species	Human
Expression System	E. coli
Accession	Q9H582
Molecular Weight	Predictes a molecular mass of 18.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	409-548
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 409-548 aa (Q9H582) were fused with C-terminal 6His tag.

Storage & Handling

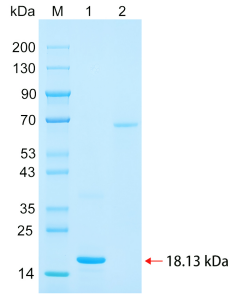
Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume 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 Zinc Finger Protein 644 (ZNF644) Fragment (aa 409-548) is a highly stable and soluble protein unit, ideal for structural and biochemical studies. This fragment, derived from the Zinc finger motif enhancer-binding protein 2, supports investigations into transcriptional regulation mechanisms. The full-length Zinc Finger Protein 644 (ZNF644) is implicated in transcriptional regulation, playing a potential role in modulating gene expression. It is localized to the nucleus, where it may interact with DNA or other nuclear factors to influence cellular processes. This fragment, encompassing residues 409-548, was selected computationally for its stability and solubility, facilitating research into the protein's functional domains without the complexities of the full-length protein.

Validation

SDS-PAGE



Recombinant ZN644 protein (His tag) SDS-PAGE
M: Marker; Lane 1: ZN644; Lane 2: BSA