Recombinant GLIS3 protein (His tag)

Catalog Number	547780
Synonyms	GLI-similar 3; Zinc finger protein 515
Species	Human
Expression System	E. coli
Accession	Q8NEA6
Molecular Weight	Predictes a molecular mass of 20.84 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	344-506
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 344-506 aa (Q8NEA6) 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 GLIS3 Fragment (344-506) is a high-quality protein product designed for structural and biochemical studies. This fragment of the Zinc finger protein GLIS3, also known as ZNF515, is computationally optimized for stability and solubility, making it an ideal tool for investigating transcription factor mechanisms. The full-length GLIS3 protein functions as a dual transcriptional regulator, capable of both repressing and activating gene expression. It specifically binds to the DNA consensus sequence 5'-GACCACCCAC-3', playing a crucial role in gene regulation pathways. GLIS3 is localized to the nucleus, where it exerts its transcriptional control functions. The selected fragment (residues 344-506) represents a stable, soluble region that maintains key structural characteristics while being optimized for experimental applications in life science research.