Recombinant ETS2 protein (His tag)

Catalog Number	544414
Species	Human
Expression System	E. coli
Accession	P15036
Molecular Weight	Predictes a molecular mass of 12.22 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	83-171
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 83-171 aa (P15036) 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	Introducing the recombinant Protein C-ets-2 (83-171) fragment, a precisely engineered tool for studying the PNT domain of the human ETS2 transcription factor. This high-purity fragment enables focused research on domain-specific functions, offering researchers a reliable solution for investigating transcriptional regulation mechanisms. Protein C-ets-2, encoded by the ETS2 gene in Homo sapiens, functions as a transcription factor that activates gene expression by binding specifically to the GGAA/T core DNA motif (Ets-binding site) in gene promoters, thereby stimulating transcription. Located in the nucleus, this protein plays a crucial role in regulating genes involved in various cellular processes. The provided fragment (residues 83-171) encompasses the complete PNT domain (85-170), allowing targeted investigation of this functional region's contribution to ETS2-mediated transcriptional activation and its broader biological significance.