Recombinant ETS1 protein (His tag)

Catalog Number	546779
Synonyms	p54
Species	Human
Expression System	E. coli
Accession	P14921
Molecular Weight	Predictes a molecular mass of 17.90 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	302-441
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 302-441 aa (P14921) 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 Protein C-ets-1 (p54) Fragment (aa 302-441) - A highly stable and soluble 140-amino acid fragment of the ETS1 transcription factor, specifically designed for structural and biochemical studies. This purified fragment maintains optimal characteristics for research applications requiring reliable protein performance. Protein C-ets-1 (p54), encoded by the ETS1 gene, functions as a crucial transcription factor that directly regulates the expression of cytokine and chemokine genes across various cellular contexts. This protein plays essential roles in controlling the differentiation, survival, and proliferation of lymphoid cells, while also regulating angiogenesis through modulation of genes that govern endothelial cell migration and invasion. The full-length protein primarily localizes to the nucleus, though it can delocalize to the cytoplasm when coexpressed with its isoform Ets-1 p27, which acts as a dominant-negative regulator. The selected fragment (aa 302-441) represents a computationally optimized stable domain that preserves key structural features while ensuring solubility for experimental applications.