Recombinant COE3 protein (His tag)

Catalog Number	543620
Synonyms	Early B-cell factor 3; EBF-3; Olf-1/EBF-like 2; O/E-2; OE-2
Species	Human
Expression System	E. coli
Accession	Q9H4W6
Molecular Weight	Predictes a molecular mass of 43.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	35-408
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 35-408 aa (Q9H4W6) 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 Transcription factor COE3 (EBF3) Fragment (aa 35-408) is a high-purity protein designed for studying the IPT/TIG functional domain. This fragment provides researchers with a targeted tool to investigate the transcriptional activation mechanisms of EBF3, supporting advanced research in gene regulation and cellular differentiation. Transcription factor COE3 (EBF3) is a transcriptional activator in humans that recognizes variations of the palindromic DNA sequence 5'-ATTCCCNNGGGAATT-3'. It plays a critical role in gene regulation, as evidenced by its involvement in transcriptional activation processes. The protein is localized to the nucleus, where it functions in DNA binding and regulatory activities. This recombinant fragment (amino acids 35-408) encompasses the IPT/TIG domain (residues 263-346), enabling focused studies on domain-specific functions such as DNA interaction and transcriptional control.