Recombinant TEAD3 protein (His tag)

Catalog Number	543452
Synonyms	DTEF-1; TEA domain family member 3; TEAD-3
Species	Human
Expression System	E. coli
Accession	Q99594
Molecular Weight	Predictes a molecular mass of 27.31 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	213-435
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 213-435 aa (Q99594) 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	This recombinant protein product features a stable and soluble fragment (residues 213-435) of the human Transcriptional enhancer factor TEF-5 (TEAD-3), a key transcription factor in the Hippo signaling pathway. This fragment is ideal for structural studies, biochemical assays, and functional investigations of TEAD-3's role in cell proliferation and organ size regulation. TEAD-3 (Transcriptional enhancer factor TEF-5) is a transcription factor that plays a critical role in the Hippo signaling pathway, which is essential for organ size control and tumor suppression by limiting cell proliferation and promoting apoptosis. It functions by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating processes such as cell migration and epithelial-mesenchymal transition (EMT). TEAD-3 is localized in the nucleus and has been shown to bind to enhancer elements, such as those in the human chorionic somatomammotropin-B gene, underscoring its importance in transcriptional regulation. The provided fragment (213-435) was selected for its stability and solubility, making it a valuable tool for research into TEAD-3's mechanisms.