Recombinant KLF6 protein (His tag)

Catalog Number	548071
Synonyms	B-cell-derived protein 1; Core promoter element-binding protein; GC-rich sites-binding factor GBF; Proto-oncogene BCD1; Suppressor of tumorigenicity 12 protein; Transcription factor Zf9
Species	Human
Expression System	E. coli
Accession	Q99612
Molecular Weight	Predictes a molecular mass of 12.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	196-283
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 196-283 aa (Q99612) 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 is a fragment of Krueppel-like factor 6 (KLF6), a key transcriptional activator involved in B-cell growth and development. The fragment (residues 196–283) is engineered for stability and solubility, making it ideal for structural studies and biochemical assays. Krueppel-like factor 6 (KLF6) is a transcriptional activator that binds GC box motifs in DNA, playing a critical role in B-cell growth and development. It is localized in the nucleus, where it regulates gene expression. This protein, also known as Core promoter element-binding protein or Proto-oncogene BCD1, contributes to cellular processes linked to proliferation and differentiation, underscoring its importance in both basic and applied biomedical research.