Recombinant EFC10 protein (His tag)

Catalog Number	552037
Species	Human
Expression System	E. coli
Accession	A6NFE3
Molecular Weight	Predictes a molecular mass of 16.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	1-127
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-127 aa (A6NFE3) 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 product is a high-purity recombinant protein fragment of human EF-hand calcium-binding domain-containing protein 10 (EFCAB10). The fragment, encompassing amino acids 1-127, is specifically designed to contain the complete EF-hand functional domain, making it an ideal tool for researchers studying calcium-mediated signaling pathways and domain-specific protein interactions. EF-hand calcium-binding domain-containing protein 10, encoded by the gene EFCAB10 in Homo sapiens, is a protein whose specific biological function and subcellular localization are areas of active research. Proteins containing EF-hand domains are typically involved in calcium sensing and signal transduction, playing critical roles in numerous cellular processes. This recombinant fragment provides a focused reagent to investigate the structure and function of the EF-hand domain within EFCAB10, facilitating studies on its potential role in calcium-binding and related molecular mechanisms.