Recombinant EFCC1 protein (His tag)

Catalog Number	550504
Synonyms	Coiled-coil domain-containing protein 48
Species	Human
Expression System	E. coli
Accession	Q9HA90
Molecular Weight	Predictes a molecular mass of 17.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	454-598
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 454-598 aa (Q9HA90) 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 EF-hand and coiled-coil domain-containing protein 1 (EFCC1) fragment (residues 454-598), a 145-amino acid segment derived from human EFCC1. This fragment was computationally optimized for stability and solubility, making it ideal for structural studies, biochemical assays, and functional investigations in life science research. EF-hand and coiled-coil domain-containing protein 1, encoded by the gene EFCC1, is a human protein with potential roles in cellular processes involving calcium-binding (via EF-hand domains) and protein-protein interactions (via coiled-coil domains). While specific functional details and subcellular localization are not fully characterized, EFCC1 is of interest for understanding its contributions to cellular signaling and structural organization. The provided fragment (454-598) represents a stable, soluble region selected for experimental applications, facilitating research into its properties without domain-specific annotations.