Recombinant CCDC3 protein (His tag)

Catalog Number	548100
Synonyms	Fat/vessel-derived secretory protein; Favine
Species	Human
Expression System	E. coli
Accession	Q9BQI4
Molecular Weight	Predictes a molecular mass of 16.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	22-155
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 22-155 aa (Q9BQI4) 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 recombinant fragment of human Coiled-coil domain-containing protein 3 (CCDC3), also known as Favine, spanning residues 22-155. This 134-amino acid fragment is engineered for stability and solubility, making it ideal for investigating the protein's role in modulating inflammatory responses and lipid metabolism in cellular studies. The full-length Coiled-coil domain-containing protein 3 (CCDC3), or Favine, is a secreted protein that plays a critical role in regulating inflammatory and metabolic processes. It functions as a negative regulator of TNF-alpha-induced pro-inflammatory responses in endothelial cells by inhibiting NF-kappaB activation, thereby potentially mitigating inflammation. Additionally, CCDC3 is implicated in promoting lipid accumulation in adipose cells, highlighting its significance in metabolic regulation. As a secreted protein, it operates extracellularly, influencing cell signaling pathways relevant to vascular biology and energy homeostasis.