Recombinant C2C4C protein (His tag)

Catalog Number	551231
Synonyms	Nuclear-localized factor 3; Protein FAM148C
Species	Human
Expression System	E. coli
Accession	Q8TF44
Molecular Weight	Predictes a molecular mass of 15.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	297-421
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 297-421 aa (Q8TF44) 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 Human C2CD4C (FAM148C) Fragment (297-421): A high-purity protein fragment encompassing the C2 calcium-dependent domain, designed for targeted functional studies of domain-specific interactions and regulatory mechanisms. C2 calcium-dependent domain-containing protein 4C (also known as Nuclear-localized factor 3 or FAM148C) is encoded by the C2CD4C gene in Homo sapiens. While detailed functional and subcellular localization data are not fully characterized, proteins containing C2 domains typically participate in calcium-dependent membrane binding, signal transduction, and vesicle trafficking processes. This fragment provides a focused tool to investigate the biochemical and cellular roles of the C2 domain within this protein family.