Recombinant FA20C protein (His tag)

Catalog Number	533013
Synonyms	CeFam20; Golgi casein kinase; Golgi-enriched fraction casein kinase; GEF-CK
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q9XTW2
Gene ID	181616
Molecular Weight	Predictes a molecular mass of 54.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 58 kDa band.

Product Information

Sequence Region	61-512
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 61-512 aa (Q9XTW2) 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 CeFam20 (61-512) is a high-quality, soluble fragment of the Extracellular serine/threonine protein kinase from Caenorhabditis elegans, engineered for stability and ideal for structural studies and biochemical assays investigating secretory pathway phosphorylation mechanisms. CeFam20 is a Golgi serine/threonine protein kinase that specifically phosphorylates secretory pathway proteins at Ser-x-Glu/pSer motifs, playing a critical role in post-translational modifications within the secretory pathway. The kinase resides in the Golgi apparatus membrane as a single-pass type II membrane protein and can be secreted following propeptide cleavage, indicating its dynamic involvement in both intracellular and extracellular regulatory processes. This recombinant fragment represents a stable, soluble unit optimized for experimental applications.