Recombinant SDK protein (His tag)

Catalog Number	534874
Synonyms	Neuronal IgCAM protein 4
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q9N3X8
Gene ID	177597
Molecular Weight	Predictes a molecular mass of 43.79 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 46 kDa band.

Product Information

Sequence Region	27-403
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 27-403 aa (Q9N3X8) 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 Protein sidekick homolog (Neuronal IgCAM protein 4) fragment (residues 27-403) from Caenorhabditis elegans, designed to encompass the Ig-like C2-type domains 1, 2, and 3. This fragment serves as an essential tool for investigating cell adhesion mechanisms mediated by these specific functional domains. Protein sidekick homolog (Neuronal IgCAM protein 4), encoded by the gene rig-4 in Caenorhabditis elegans, functions as a cell adhesion protein, facilitating interactions critical for cellular recognition and organization. It is localized to the membrane as a single-pass type I membrane protein, indicating its role in mediating extracellular adhesion while being anchored to the cell surface. This protein's involvement in adhesion processes makes it significant for studies on neural development, tissue integrity, and intercellular communication.