Recombinant CB39L protein (His tag)

Catalog Number	550503
Synonyms	Antigen MLAA-34; MO25beta; Mo25-like protein
Species	Human
Expression System	E. coli
Accession	Q9H9S4
Molecular Weight	Predictes a molecular mass of 40.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 42 kDa band.

Product Information

Sequence Region	1-337
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-337 aa (Q9H9S4) 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 Calcium-binding protein 39-like (CAB39L), also known as Antigen MLAA-34 or MO25beta, is a high-purity fragment (residues 1-337) designed for stability and solubility. This product supports research on the STK11/LKB1 signaling pathway, enabling structural and biochemical studies. Calcium-binding protein 39-like (CAB39L) is a component of a protein complex that binds and activates STK11/LKB1, a key serine/threonine kinase involved in cell polarity, metabolism, and tumor suppression. CAB39L stabilizes the interaction between CAB39/MO25 proteins and STK11/LKB1, facilitating complex assembly and function, as supported by sequence similarity evidence. This recombinant fragment represents a stable, soluble unit ideal for investigating its role in cellular signaling mechanisms.