Recombinant CE85L protein (His tag)

Catalog Number	540469
Synonyms	Serologically defined breast cancer antigen NY-BR-15
Species	Human
Expression System	E. coli
Accession	Q5SZL2
Molecular Weight	Predictes a molecular mass of 29.41 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	442-675
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 442-675 aa (Q5SZL2) 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 CEP85L (Centrosomal protein of 85 kDa-like) fragment (residues 442-675), a stable and soluble unit derived from the human serologically defined breast cancer antigen NY-BR-15. This fragment is optimized for structural and biochemical studies, supporting research into neuronal cell migration and centrosomal function. The full-length Centrosomal protein of 85 kDa-like (CEP85L) plays an essential role in neuronal cell migration, as evidenced by experimental data. It localizes to the cytoplasm, specifically at the microtubule organizing center and centrosome, with precise accumulation in the pericentriolar region. This subcellular positioning underscores its importance in centrosome-related processes, making it a significant target for investigating cellular dynamics and developmental biology.