Recombinant CDK15 protein (His tag)

Catalog Number	545746
Synonyms	Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 7 protein; Cell division protein kinase 15; Serine/threonine-protein kinase ALS2CR7; Serine/threonine-protein kinase PFTAIRE-2
Species	Human
Expression System	E. coli
Accession	Q96Q40
Molecular Weight	Predictes a molecular mass of 39.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	99-435
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 99-435 aa (Q96Q40) 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	Introducing the recombinant Cyclin-dependent kinase 15 (CDK15) fragment (amino acids 99-435), a high-purity protein designed for studying the serine/threonine-protein kinase domain. This fragment is an essential tool for researchers investigating apoptosis regulation, particularly TRAIL/TNFSF10-induced pathways, offering targeted insights into kinase-specific functions. Cyclin-dependent kinase 15 (CDK15) is a human serine/threonine-protein kinase encoded by the CDK15 gene, also known as ALS2CR7. It functions as an antiapoptotic protein that counters TRAIL/TNFSF10-induced apoptosis by phosphorylating BIRC5 at 'Thr-34', playing a critical role in cell survival mechanisms. This recombinant fragment spans the protein kinase domain (residues 103-387), enabling focused research on its catalytic activity and regulatory roles in apoptosis without interference from other regions of the full-length protein.