Recombinant CD2B2 protein (His tag)

Catalog Number	546605
Synonyms	CD2 cytoplasmic domain-binding protein 2; CD2 tail-binding protein 2; U5 snRNP 52K protein; U5-52K
Species	Human
Expression System	E. coli
Accession	O95400
Molecular Weight	Predictes a molecular mass of 20.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	64-232
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 64-232 aa (O95400) 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 CD2BP2 Protein Fragment (64-232) - A high-quality recombinant protein fragment of human CD2 antigen cytoplasmic tail-binding protein 2, specifically designed for structural and biochemical studies. This 169-amino acid fragment represents a stable, soluble unit ideal for investigating pre-mRNA splicing mechanisms and protein interaction studies. CD2 antigen cytoplasmic tail-binding protein 2 (CD2BP2) is a crucial component of the U5 snRNP complex involved in pre-mRNA splicing and spliceosome assembly. The full-length protein functions predominantly in the nucleus, playing an essential role in the intricate process of mRNA maturation. As part of the U5 snRNP complex, CD2BP2 contributes to the precise recognition and excision of introns during spliceosome assembly, a fundamental process in gene expression regulation. This protein's involvement in RNA processing makes it a significant target for research in molecular biology, gene regulation, and RNA metabolism studies.