Recombinant CDR2 protein (His tag)

Catalog Number	540163
Synonyms	Major Yo paraneoplastic antigen; Paraneoplastic cerebellar degeneration-associated antigen
Species	Human
Expression System	E. coli
Accession	Q01850
Molecular Weight	Predictes a molecular mass of 17.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	1-139
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-139 aa (Q01850) 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 CDR2 (Cerebellar degeneration-related protein 2) fragment (amino acids 1-139) is a high-quality protein reagent designed for structural and biochemical studies. This 139-amino acid fragment was computationally selected to provide optimal stability and solubility, making it ideal for research applications requiring reliable protein performance. Cerebellar degeneration-related protein 2 (CDR2), also known as the Major Yo paraneoplastic antigen, is a human protein associated with paraneoplastic cerebellar degeneration. The full-length protein serves as an important antigen in autoimmune paraneoplastic neurological disorders, where it is targeted by anti-Yo antibodies in patients with gynecological and breast cancers. This recombinant fragment represents a stable, soluble unit of the protein suitable for investigating its structural properties and molecular interactions in research settings.