Recombinant ZNRD2 protein (His tag)

Catalog Number	546501
Synonyms	Autoantigen p27; Protein zinc ribbon domain type 2; Sjoegren syndrome/scleroderma autoantigen 1; Zinc ribbon domain-containing protein 2
Species	Human
Expression System	E. coli
Accession	O60232
Molecular Weight	Predictes a molecular mass of 12.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	2-101
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 2-101 aa (O60232) 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 ZNRD2 (Autoantigen p27) Fragment (aa 2-101) is a 100-amino acid protein fragment designed for structural and biochemical studies. This fragment represents a stable, soluble unit of the full-length protein, which is implicated in mitosis and antigenicity, making it an ideal tool for investigating centromere-associated functions and autoimmune responses. The full-length ZNRD2 protein, also known as Autoantigen p27 or Sjoegren syndrome/scleroderma autoantigen 1, is suggested to play a role in mitosis and may function as a centromere-associated protein. It is antigenic and could induce anti-centromere antibodies, as supported by research (PubMed:9486406). The protein is localized in the cytoplasm (PubMed:32170109), indicating its involvement in intracellular processes relevant to cell division and autoimmune disease mechanisms.