Recombinant SBP2L protein (His tag)

Catalog Number	549604
Synonyms	SECIS-binding protein 2-like
Species	Human
Expression System	E. coli
Accession	Q93073
Molecular Weight	Predictes a molecular mass of 21.19 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	666-835
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 666-835 aa (Q93073) 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 SECISBP2L Fragment (666-835) – a high-quality, soluble protein fragment of Selenocysteine insertion sequence-binding protein 2-like, designed for structural and biochemical studies. This 170-amino acid fragment retains key characteristics for investigating SECIS element interactions in selenoprotein mRNA regulation. Selenocysteine insertion sequence-binding protein 2-like (SECISBP2L) is a human protein that binds to SECIS elements in selenocysteine protein mRNAs. While it recognizes these critical regulatory sequences, it does not facilitate the actual incorporation of selenocysteine into selenoproteins in vitro, suggesting a distinct regulatory role in selenoprotein expression pathways. The full-length protein's function appears to involve mRNA binding without direct participation in the selenocysteine insertion mechanism, making it an important subject for understanding the complex regulation of selenoprotein synthesis.