Recombinant SRBS2 protein (His tag)

Catalog Number	544210
Synonyms	Arg-binding protein 2; ArgBP2; Arg/Abl-interacting protein 2; Sorbin
Species	Human
Expression System	E. coli
Accession	O94875
Molecular Weight	Predictes a molecular mass of 16.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	865-999
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 865-999 aa (O94875) 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 protein fragment of Sorbin and SH3 domain-containing protein 2 (ArgBP2), encompassing amino acids 865-999. This fragment includes the complete SH3 2 domain, offering researchers a precise tool for investigating domain-specific interactions in signaling complexes and cytoskeletal regulation, derived from human origin. Sorbin and SH3 domain-containing protein 2 (ArgBP2) is an adapter protein that facilitates the assembly of signaling complexes, linking ABL kinases to the actin cytoskeleton. It plays a critical role in regulating cell adhesion by promoting the ubiquitination and degradation of ABL1 and modulating phosphorylation processes involving WASF1 and PTPN12. Additionally, certain isoforms contribute to water and sodium absorption in the intestine and gallbladder. The protein localizes to the cytoplasm in perinuclear regions, the apical cell membrane, focal adhesions, and lamellipodia, where it colocalizes with vinculin and filamentous actin, underscoring its importance in cellular structure and signaling pathways.