Recombinant LDB2 protein (His tag)

Catalog Number	544115
Synonyms	LDB-2; Carboxyl-terminal LIM domain-binding protein 1; CLIM-1; LIM domain-binding factor CLIM1
Species	Human
Expression System	E. coli
Accession	O43679
Molecular Weight	Predictes a molecular mass of 30.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1-245
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 1-245 aa (O43679) 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 LIM domain-binding protein 2 (LDB-2) fragment (amino acids 1-245) is a high-quality protein product designed for structural and biochemical studies. This fragment, computationally optimized for stability and solubility, enables researchers to investigate the role of LDB-2 as a transcription cofactor without interference from other domains. LIM domain-binding protein 2 (LDB-2), also known as CLIM-1, functions as a transcription cofactor by binding to the LIM domains of various transcription factors, thereby modulating gene expression. It is localized to the nucleus, where it participates in transcriptional regulation. The provided fragment (1-245) represents a stable, soluble region ideal for exploring LDB-2's molecular interactions and mechanisms in vitro.