Recombinant ZEB2 protein (His tag)

Catalog Number	537253
Synonyms	Smad-interacting protein 1; SMADIP1; Zinc finger homeobox protein 1b
Species	Human
Expression System	E. coli
Accession	O60315
Molecular Weight	Predictes a molecular mass of 16.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	210-337
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 210-337 aa (O60315) 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 ZEB2 Protein Fragment (aa 210-337) is a high-quality, stable protein fragment derived from the Zinc finger E-box-binding homeobox 2 (SMADIP1), designed for structural and biochemical studies. This 128-amino acid fragment offers excellent solubility and represents a key region of the transcriptional regulator ZEB2, enabling researchers to investigate its molecular interactions and functional mechanisms. ZEB2 (Smad-interacting protein 1) is a transcriptional inhibitor in humans that binds to the DNA sequence 5'-CACCT-3' in various gene promoters. It plays a critical role in gene regulation by repressing transcription of targets such as E-cadherin and MEOX2, implicating it in processes like epithelial-mesenchymal transition and developmental regulation. The protein is localized primarily in the nucleus and associates with chromosomes, underscoring its direct involvement in chromatin-related transcriptional control mechanisms. The selected fragment (aa 210-337) provides a stable, soluble unit ideal for exploring ZEB2's biochemical properties without domain-specific constraints.