Recombinant MRTFB protein (His tag)

Catalog Number	541528
Synonyms	MRTF-B; MKL/myocardin-like protein 2; Megakaryoblastic leukemia 2
Species	Human
Expression System	E. coli
Accession	Q9ULH7
Molecular Weight	Predictes a molecular mass of 15.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	35-155
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 35-155 aa (Q9ULH7) 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 Myocardin-related transcription factor B (MRTF-B) Fragment (aa 35-155) is a high-purity protein designed for structural and biochemical studies. This 121-amino acid fragment represents a stable and soluble unit of MRTF-B, optimized for research applications requiring reliable protein performance. Myocardin-related transcription factor B (MRTF-B), also known as MKL/myocardin-like protein 2 or Megakaryoblastic leukemia 2, functions as a transcriptional coactivator of serum response factor (SRF) and is essential for skeletal myogenic differentiation. The protein localizes to the nucleus, where it regulates gene expression critical for muscle development and cellular differentiation processes.