Recombinant MSTRO protein (His tag)

Catalog Number	551003
Synonyms	Male-specific transcription in the developing reproductive organs; Protein B29
Species	Human
Expression System	E. coli
Accession	Q9BYG7
Molecular Weight	Predictes a molecular mass of 25.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	45-248
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 45-248 aa (Q9BYG7) 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 Protein Maestro (MRO) Fragment (aa 45-248) is a high-purity, stable protein fragment designed for structural and biochemical studies. This 204-amino acid soluble unit, derived from the full-length protein involved in male-specific transcriptional regulation, offers researchers a reliable tool for investigating developmental reproductive processes. Protein maestro (also known as Protein B29), encoded by the MRO gene in Homo sapiens, functions in male-specific transcription during reproductive organ development. The protein localizes to the nucleus and nucleolus, indicating roles in transcriptional regulation and ribosome biogenesis. This recombinant fragment represents a computationally optimized soluble domain, enabling focused studies on its structural properties and molecular interactions without interference from less stable regions of the full-length protein.