Recombinant PRRX2 protein (His tag)

Catalog Number	549351
Synonyms	Paired-related homeobox protein 2; PRX-2
Species	Human
Expression System	E. coli
Accession	Q99811
Molecular Weight	Predictes a molecular mass of 10.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	104-176
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 104-176 aa (Q99811) 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	This product offers a recombinant fragment of human Paired mesoderm homeobox protein 2 (PRX-2), spanning residues 104-176. Engineered for stability and solubility, this 73-amino acid fragment is ideal for structural studies and biochemical assays, supporting research into developmental processes and wound healing mechanisms. The full-length Paired mesoderm homeobox protein 2, encoded by the PRRX2 gene, is implicated in scarless cutaneous wound healing during early developmental stages, as evidenced by studies (PubMed:9665387). It localizes to the nucleus, consistent with its potential role in transcriptional regulation. This fragment provides a focused tool for investigating its functional domains without the complexities of the full protein.