Recombinant SIX6 protein (His tag)

Catalog Number	539627
Synonyms	Homeodomain protein OPTX2; Optic homeobox 2; Sine oculis homeobox homolog 6
Species	Human
Expression System	E. coli
Accession	O95475
Molecular Weight	Predictes a molecular mass of 24.74 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	1-198
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 1-198 aa (O95475) 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 Homeobox Protein SIX6 (Fragment 1-198) is a high-quality, stable protein fragment designed for structural and biochemical studies. This product, derived from the SIX6 gene, represents a soluble and functional unit ideal for investigating its potential role in eye development. The full-length Homeobox protein SIX6, also known as Optic homeobox 2 or Sine oculis homeobox homolog 6, is implicated in eye development. It is a nuclear protein, as indicated by its subcellular localization, suggesting involvement in transcriptional regulation processes critical for ocular formation and function.