Recombinant NDF6 protein (His tag)

Catalog Number	549616
Synonyms	NeuroD6; Class A basic helix-loop-helix protein 2; bHLHa2; Protein atonal homolog 2
Species	Human
Expression System	E. coli
Accession	Q96NK8
Molecular Weight	Predictes a molecular mass of 13.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	83-183
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 83-183 aa (Q96NK8) 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 Neurogenic differentiation factor 6 (NeuroD6) Fragment (aa 83-183) – a high-purity protein fragment encompassing the essential bHLH domain, designed for targeted studies of transcriptional activation and neurogenic mechanisms in human cellular models. Neurogenic differentiation factor 6 (NeuroD6) is a class A basic helix-loop-helix (bHLH) transcription factor that activates E box-dependent transcription in collaboration with TCF3/E47. It is localized to the nucleus and plays a critical role in the development and maintenance of the mammalian nervous system, including the ability to transactivate its own promoter. This protein is integral to neurogenic processes, making it a key subject for research on neural differentiation and function.