Recombinant TAP26 protein (His tag)

Catalog Number	549947
Synonyms	TTF-1-associated protein 26; Coiled-coil domain-containing protein 59; TTF-1-associated protein BR2
Species	Human
Expression System	E. coli
Accession	Q9P031
Molecular Weight	Predictes a molecular mass of 11.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	163-241
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 163-241 aa (Q9P031) 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 recombinant protein product features a stable and soluble fragment (residues 163–241) of the human Thyroid transcription factor 1-associated protein 26 (CCDC59), engineered for structural and biochemical studies. It represents a key segment of the protein involved in transcriptional regulation, offering researchers a reliable tool for investigating molecular mechanisms in pulmonary surfactant protein expression. Thyroid transcription factor 1-associated protein 26, encoded by the CCDC59 gene, is a nuclear protein that functions as a component of transcription complexes for pulmonary surfactant-associated proteins B (SFTPB) and C (SFTPC). It enhances promoter activities activated by the homeobox protein Nkx-2.1, playing a critical role in regulating surfactant protein expression, which is essential for lung function. The protein's nuclear localization underscores its involvement in gene regulation pathways, making it a significant target for respiratory and developmental biology research.