Recombinant NSN5B protein (His tag)

Catalog Number	549489
Synonyms	Williams-Beuren syndrome chromosomal region 20B protein
Species	Human
Expression System	E. coli
Accession	Q3KNT7
Molecular Weight	Predictes a molecular mass of 19.33 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-163
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 1-163 aa (Q3KNT7) 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 NSUN5P1 Protein Fragment (1-163) is a high-purity, stable protein designed for structural and biochemical research. This fragment represents a soluble domain of the Putative NOL1/NOP2/Sun domain family member 5B, optimized for experimental applications. The full-length Putative NOL1/NOP2/Sun domain family member 5B (encoded by NSUN5P1) is associated with the Williams-Beuren syndrome chromosomal region 20B and belongs to the NOL1/NOP2/Sun domain family, which is implicated in RNA methylation processes (EC 2.1.1.-). While specific functional and subcellular localization details are not fully characterized, this protein is of interest for studying its potential role in epigenetic regulation and its relevance to Williams-Beuren syndrome. The recombinant fragment (1-163) was selected computationally to ensure stability and solubility, facilitating investigations into its structural properties and interactions.