Recombinant TSR2 protein (His tag)

Catalog Number	547894
Species	Human
Expression System	E. coli
Accession	Q969E8
Molecular Weight	Predictes a molecular mass of 14.57 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-118
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-118 aa (Q969E8) 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 TSR2 Fragment (1-118): A high-quality, soluble protein fragment of the human Pre-rRNA-processing protein TSR2 homolog, designed for structural and biochemical studies of ribosome biogenesis. The full-length Pre-rRNA-processing protein TSR2 homolog, encoded by the TSR2 gene in humans, is implicated in the processing of the 20S pre-rRNA, a crucial step in the maturation of ribosomal RNA and subsequent ribosome assembly. This function highlights its potential role in the fundamental cellular process of protein synthesis.