Recombinant CTHR1 protein (His tag)

Catalog Number	538682
Species	Human
Expression System	E. coli
Accession	Q96CG8
Molecular Weight	Predictes a molecular mass of 21.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	60-243
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 60-243 aa (Q96CG8) 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 Collagen triple helix repeat-containing protein 1 (CTHRC1) fragment (residues 60-243) is a stable and soluble protein unit designed for structural and biochemical studies. This product supports research into collagen matrix regulation and extracellular processes. Collagen triple helix repeat-containing protein 1 (CTHRC1) is a human protein that functions as a negative regulator of collagen matrix deposition, playing a key role in controlling extracellular matrix composition. It is localized to the secreted extracellular space and extracellular matrix, where it modulates collagen deposition and contributes to matrix remodeling. This fragment (residues 60-243) was selected computationally to provide a stable and soluble region for experimental applications, enabling detailed analysis of its functional properties.