Recombinant PTX4 protein (His tag)

Catalog Number	549052
Species	Human
Expression System	E. coli
Accession	Q96A99
Molecular Weight	Predictes a molecular mass of 24.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	264-478
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 264-478 aa (Q96A99) 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 Pentraxin-4 (PTX4) Fragment (aa 264-478) is a high-purity protein designed for studying the functional Pentraxin (PTX) domain. This 215-amino acid fragment provides researchers with a precise tool to investigate domain-specific mechanisms in immune and inflammatory processes. Pentraxin-4 (PTX4) is a secreted protein encoded by the PTX4 gene in humans (UniProt ID: Q96A99). As a member of the pentraxin family, it is implicated in innate immune responses, pattern recognition, and inflammation regulation. Its secretion into the extracellular space allows it to interact with pathogens and cellular debris, contributing to immune surveillance and homeostasis. The provided fragment spans residues 264-478, fully encompassing the conserved Pentraxin domain (aa 269-473), enabling focused analysis of its ligand-binding and oligomerization properties.