Recombinant ITIH5 protein (His tag)

Catalog Number	547631
Synonyms	ITI heavy chain H5; ITI-HC5; Inter-alpha-inhibitor heavy chain 5
Species	Human
Expression System	E. coli
Accession	Q86UX2
Molecular Weight	Predictes a molecular mass of 31.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	675-942
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 675-942 aa (Q86UX2) 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 Inter-alpha-trypsin inhibitor heavy chain H5 (ITI-HC5) fragment (aa 675-942) is a high-purity protein designed for cancer research and structural biology. This stable, soluble fragment supports studies on tumor suppressor mechanisms and protein interactions. Inter-alpha-trypsin inhibitor heavy chain H5 (ITI-HC5), encoded by the ITIH5 gene, is a secreted protein in humans that functions as a potential tumor suppressor. Its secretion into the extracellular space suggests roles in modulating the tumor microenvironment, making it significant for cancer biology and therapeutic research. The full-length protein's involvement in suppressing tumor progression highlights its relevance in oncology and cell signaling studies.