Recombinant CTGE4 protein (His tag)

Catalog Number	550441
Synonyms	Protein cTAGE-4
Species	Human
Expression System	E. coli
Accession	Q8IX94
Molecular Weight	Predictes a molecular mass of 26.48 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	60-275
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 60-275 aa (Q8IX94) 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 cTAGE family member 4 (Protein cTAGE-4) Fragment (aa 60-275) is a high-quality, soluble protein fragment designed for structural and biochemical research. This 216-amino acid fragment represents a stable, soluble unit of the tumor-associated antigen cTAGE-4, making it ideal for investigating protein function and interactions in cancer biology. The full-length cTAGE family member 4 (cTAGE-4) is a tumor-associated antigen, suggesting its potential role in cancer biology and immunology. It is a single-pass membrane protein localized to cellular membranes, indicating involvement in membrane-associated processes. As a tumor-associated antigen, cTAGE-4 may be relevant for understanding tumor immunology and developing diagnostic or therapeutic approaches. The selected fragment (aa 60-275) was computationally optimized for stability and solubility to facilitate experimental studies of this biologically significant protein.