Recombinant CTGE2 protein (His tag)

Catalog Number	550489
Synonyms	Protein cTAGE-2; Cancer/testis antigen 21.2; CT21.2
Species	Human
Expression System	E. coli
Accession	Q96RT6
Molecular Weight	Predictes a molecular mass of 27.10 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	31-246
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 31-246 aa (Q96RT6) 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 2 (Protein cTAGE-2), also known as Cancer/testis antigen 21.2 (CT21.2), is provided as a stable and soluble fragment (amino acids 31-246) optimized for structural and biochemical studies, supporting research into membrane-associated protein functions. The full-length cTAGE family member 2 is a single-pass membrane protein localized to the membrane in human cells, as indicated by its subcellular location. While a detailed functional summary is not available, its classification as a cancer/testis antigen suggests potential relevance in oncology research, particularly in studies of tumor-specific antigens and membrane protein dynamics.