Recombinant CT452 protein (His tag)

Catalog Number	551833
Synonyms	Cancer/testis antigen 45-2; Cancer/testis antigen 45A2
Species	Human
Expression System	E. coli
Accession	Q5DJT8
Molecular Weight	Predictes a molecular mass of 10.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	117-189
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 117-189 aa (Q5DJT8) 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	Introducing our high-quality recombinant protein fragment of Human Cancer/testis antigen 45A2 (CT45A2). This product consists of a 73-amino acid fragment (residues 117-189), specifically designed for structural and biochemical studies. The fragment was computationally selected for optimal stability and solubility, providing a reliable tool for investigating this important cancer/testis antigen. Cancer/testis antigen family 45 member A2 (CT45A2) is a human protein encoded by the CT45A2 gene. Cancer/testis antigens are typically expressed in germ cells and various cancer types but show limited expression in normal somatic tissues, making them promising targets for cancer immunotherapy and biomarker development. While specific functional details and subcellular localization for CT45A2 are not fully characterized in the provided data, proteins in this family are generally of significant interest in oncology research due to their tumor-specific expression patterns.