Recombinant CT458 protein (His tag)

Catalog Number	552088
Synonyms	Cancer/testis antigen 45A8
Species	Human
Expression System	E. coli
Accession	P0DMV1
Molecular Weight	Predictes a molecular mass of 10.28 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	118-189
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 118-189 aa (P0DMV1) 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	This product is a high-quality recombinant protein fragment of Human Cancer/testis antigen family 45 member A8 (CT45A8). The fragment corresponds to amino acids 118-189, a 72-residue region computationally selected for optimal stability and solubility, making it an ideal reagent for structural biology and biochemical characterization studies. Cancer/testis antigen family 45 member A8 (CT45A8), encoded by the gene CT45A8, is a human protein. As a cancer/testis antigen, proteins in this family are typically expressed in germ cells and a variety of tumor types, but show restricted expression in normal somatic tissues. This expression pattern makes them promising targets for cancer immunotherapy and biomarkers for malignancy. The specific molecular function and subcellular localization of CT45A8 are areas of active research. The provided recombinant fragment offers a valuable tool to investigate the protein's properties and advance understanding of its biological role.