Recombinant SSX2 protein (His tag)

Catalog Number	540367
Synonyms	Cancer/testis antigen 5.2; CT5.2; Synovial sarcoma, X breakpoint 2; Tumor antigen HOM-MEL-40
Species	Human
Expression System	E. coli
Accession	Q16385
Molecular Weight	Predictes a molecular mass of 10.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	1-74
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-74 aa (Q16385) 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 SSX2 Protein Fragment (1-74) is a high-quality, stable, and soluble protein designed for structural and biochemical studies. This fragment represents a computationally optimized region of the Cancer/testis antigen 5.2, offering researchers a reliable tool to investigate its transcriptional modulation properties. The full-length SSX2 protein, also known as Cancer/testis antigen 5.2 or Tumor antigen HOM-MEL-40, functions as a modulator of transcription and is localized in the nucleus. Its role in transcriptional regulation highlights its significance in cellular processes, and its expression in cancer/testis contexts makes it a protein of interest in oncology and molecular biology research.