Recombinant GAG2B protein (His tag)

Catalog Number	550615
Synonyms	GAGE-2B; GAGE-2C; Cancer/testis antigen 4.2; CT4.2; G antigen 2C
Species	Human
Expression System	E. coli
Accession	Q13066
Molecular Weight	Predictes a molecular mass of 14.44 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	1-116
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-116 aa (Q13066) 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 G antigen 2B/2C (GAGE-2B/GAGE-2C), a cancer/testis antigen recognized by autologous cytolytic T-lymphocytes in melanoma. This product features a stable, soluble fragment (amino acids 1-116) optimized for structural and biochemical studies. GAGE-2B/GAGE-2C (UniProt ID: Q13066) is a cancer/testis antigen expressed in melanoma and recognized by autologous cytolytic T-lymphocytes. This immunogenic property makes it a significant target for cancer immunotherapy research, particularly in understanding tumor-specific immune responses. The full-length protein's subcellular localization is not fully characterized, but its role as a tumor antigen highlights its potential relevance in oncology and immunology studies.