Recombinant MAGAA protein (His tag)

Catalog Number	549461
Synonyms	Cancer/testis antigen 1.10; CT1.10; MAGE-10 antigen
Species	Human
Expression System	E. coli
Accession	P43363
Molecular Weight	Predictes a molecular mass of 29.15 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	129-369
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 129-369 aa (P43363) 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 Melanoma-associated antigen 10 (MAGE-10) Fragment (aa 129-369) - A high-purity protein fragment specifically designed to encompass the complete MAGE functional domain, providing researchers with an essential tool for studying cancer/testis antigen biology and tumor progression mechanisms. Melanoma-associated antigen 10 (MAGE-10), also known as Cancer/testis antigen 1.10, is a human protein that may play significant roles in embryonal development and tumor transformation or aspects of tumor progression. As a cancer/testis antigen, MAGE-10 exhibits restricted expression patterns, primarily in germ cells and various tumor types, making it an important target for cancer research and potential immunotherapeutic applications. The protein localizes to the nucleus, suggesting potential involvement in nuclear processes and gene regulation. The full-length protein's association with tumor progression highlights its relevance in understanding cancer biology and developing targeted cancer therapies.