

Recombinant human GAGE2A protein

Catalog Number: ATGP2337

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-116aa

UniProt No.

Q6NT46

NCBI Accession No.

NP_001120684.1

Alternative Names

G antigen 2A/2B, CT4.2, GAGE-2, GAGE-2A, GAGE2

PRODUCT SPECIFICATION

Molecular Weight

15.2 kDa (139aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

GAGE2A belongs to a multigene family expressed in a large variety of tumors whereas in normal tissues, expression is restricted to germ cells. These genes organized in clustered repeats, have a high degree of predicted sequence identity, but differ by scattered single nucleotide substitution. Their sequences contain either the antigenic peptide YYWPRPRRY or YRPRPRRY which is recognized by cytotoxic T-cells. Recombinant human GAGE2A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>MSWRGRS TYRPRRRYV EPPEMIGPMR PEQFSDEVPE ATPEEGEPAT
QRQDPAAAE QDEGASAGQ GPKPEAHSQE QGHPQTGCEC EDGPDGQEMD PPNPEEVKTP EEEKQSQC

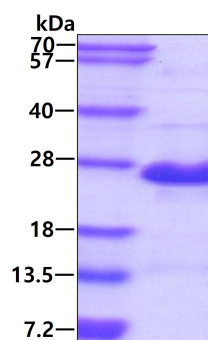
General References

Gjerstorff MF, et al. (2008). Tissue Antigens.71(3):187-92.

De Backer O, Arden KC, et al. (1999). Cancer Res. 59(13):3157-65.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.