

Recombinant human GAGE12F protein

Catalog Number: ATGP2387

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-117aa

UniProt No.

O76087

NCBI Accession No.

NP_001091875

Alternative Names

G antigen 12F, OTTHuMG00000024147

PRODUCT SPECIFICATION

Molecular Weight

15.4 kDa (140aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity

> 85% 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

GAGE12F 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 GAGE12F 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

MGSSHHHHHH SSGLVPRGSH MGSMSWRGRS TYYWPRPRRY VQPPEMIGPM RPEQFSDEVE PATPEEGEPA
TQRQDPAAAQ EGEDEGASAG QGPKPEAHSQ EQGHPQTGCE CEDGPDGQEM DPPNPPEVKT PEEGEKQSQC

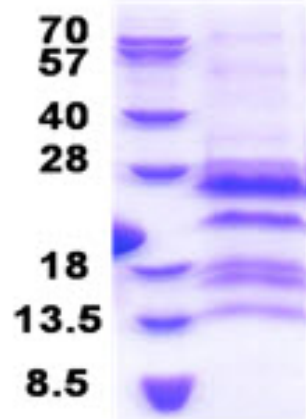
General References

Gjerstorff M.F., et al (2008). Tissue Antigens 71:187-192
The MGC Project Team (2004) Genome Res. 14:2121-2127

DATA

SDS-PAGE

(kDa)



15% SDS-PAGE (3ug)

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