

AR51209PU-S

Human GAGE7 (1-117, His-tag) - Purified

Alternate names:

Cancer/testis antigen 4.7, G antigen 7, GAGE-7, GAGE12I, GAGE7B

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by BCA assay)

Background:

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.

Uniprot ID:

[O76087](#)

NCBI:

[NP_001091875](#)

GeneID:

[100008586](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Description:

Recombinant human GAGE12F protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMWRGRS TYYWPRPRRY VQPPMIGPM RPEQFSDEVE
PATPEEGEPA TQRQDPAQAQ EGEDEGASAG QGPKPEAHSQ EQGHPQTGCE CEDGPDGQEM
DPPNPEEVKT PEEGEKQSQC

Molecular weight: 15.4 kDa (140aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

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

Pictures:

