

Recombinant Human G antigen 12F, His-tagged

Cat. No. GAGE12F-304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GAGE12F, 1-117 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-117 a.a.
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol
Molecular Mass	15.4 kDa (140aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSWRGRS TYYWPRPRRY VQPPMIGPM RPEQFSDEVE PATPEEGEPA TQRQDPAAAQ EGEDEGASAG QGPKPEAHSQ EQGHPQTGCE CEDGPDGQEM DPPNPEEVKT PEEGEKQSQC
Purity	>85% by SDS - PAGE

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Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name [GAGE12F?G antigen 12F \[?Homo sapiens?\(human\) \]](#)

Official Symbol GAGE12F

Synonyms GAGE12F; G antigen 12F; GAGE-12F; g antigen 12F/G/I

Gene ID [100008586](#)

mRNA Refseq [NM_001098405](#)

Protein Refseq [NP_001091875](#)

MIM [300730](#)

UniProt ID [P0CL80](#)

Chromosome Location Xp11.23

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