

Recombinant Human GAGE2A, His-tagged

Cat. No. GAGE2A-2337H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GAGE2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	139aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	15 kDa (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMWRGRS TYRPRPRRYV EPPEMIGPMR PEQFSDEVEP ATPEEGEPAT QRQDPAAAE QDEGASAGQGPKEAHSQE QGHPQTGCEC EDGPDGQEMD PPNPEEVKTP EEGEKQSQC

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml
GENE INFORMATION	
Gene Name	GAGE2A G antigen 2A [Homo sapiens]
Official Symbol	GAGE2A
Synonyms	CT4.2; GAGE2; GAGE-2; GAGE-2A; G antigen 2A; 4099; Ensembl:ENSG00000189064; MGC96883, MGC96930, MGC96942; G antigen 2A/2B;cancer/testis antigen 4.2;cancer/testis antigen family 4, member 2;
Gene ID	729447
mRNA Refseq	NM_001127212.1
Protein Refseq	NP_001120684.1
MIM	300720
UniProt ID	Q6NT46
Chromosome Location	Xp11.23

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Function	molecular_function;
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