

**GAGE2A, 1-116aa, Human, His tag, E.coli**

**Cat.NO.: TP02182**

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3th Edition

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

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.

**Molecular Weight:**15 kDa (139aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMWRGRSTYRPRPRRYVEPPEMIGPMRPEQFSDEVEPATPEEGEPATQR  
QDPAAAQEGQDEGASAGQGPKEAHSQEQGHPQTGCECEDGPDGQEMDPPNPEEVKTPEEGEKQSQC

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.