

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

Cat.NO.: TP02182

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:

MGSSHHHHHSSGLVPRGSHMGSMWRGRSTYRPRPRRYVEPPEMIGPMRPEQFSDEVEPATPEEGEPATQQR
QDPAAAEQEGQDEGASAGQGPKPEAHSQEQGHPQTGCECEDGPDGQEMDPPNPEEVKTPEEGEKQSQC

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.