

GAGE2D, 1-116aa, Human, His tag, E.coli

Cat.NO.: TP02183

3th Edition

Synonyms:G antigen 2D, CT4.8, GAGE-2D, GAGE-8, GAGE8

Description:GAGE2D, as known as G antigen 2D, belongs to a family of proteins organized in clustered repeats. They have a high degree of predicted sequence identity, but differ by scattered single nucleotide substitution. The first GAGE nomenclature was based on identified mRNA sequences, but the high identity of the GAGE members made impossible to separate products of paralogous genes from polymorph products. Recombinant human GAGE2D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Molecular Weight:15.2 kDa(139aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMWRGRSTYRPRPRRYVEPPEMIGPMRPEQFSDEVEPATPEEGEPATQQR
QDPAAAQEGEDEGASAGQGPKPEADSQEQGHPQTGCECEDGPDGQEMDPPNPPEEVKTPEEGEKQSQC

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by BCA 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.