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Recombinant human GAGE2D protein

Catalog Number: ATGP2364

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-116aa

UniProt No.
Q9UEU5

NCBI Accession No.
NP_001091877

Alternative Names
G antigen 2D, CT4.8, GAGE-2D, GAGE-8, GAGE8

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

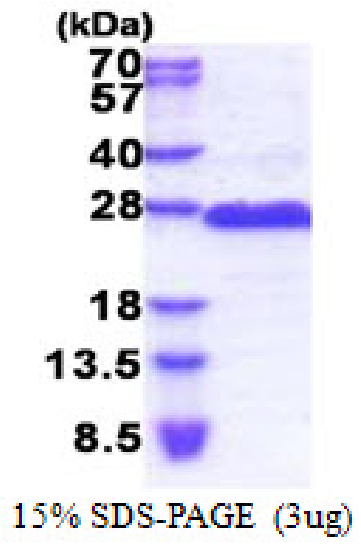
MGSSHHHHHH SSGLVPRGSH MGSMSWRGRS TYRPRPRRYV EPPEMIGPMR PEQFSDEVEP ATPEEGEPAT QRQDPAAAQE GEDEGASAGQ GPKPEADSQE QGHPQTGCEC EDGPDGQEMD PPNPEEVKTP EEGEKQSQC

General References

Backer O. et al. (1999) Cancer Res. 59:3157-3165
Gjerstorff MF. et al. (2008) Tissue Antigens. 71:187-192.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.