

Recombinant Human G antigen 2D, His-tagged

Cat. No. GAGE2D-281H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GAGE2D, 1-116aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-116 a.a.
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 Mass	15.2 kDa(139aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMWRGRS TYRPRRRYV EPPMIGPMR PEQFSDEVEP ATPEEGEPAT QRQDPAAAE GEDEGASAGQ GPKPEADSQE QGHPQTGCEC EDGPDGQEMD PPNPEEVKTP EEGEKQSQC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name	GAGE2D G antigen 2D [Homo sapiens]
Official Symbol	GAGE2D
Synonyms	G antigen 2D; 31959; Ensembl:ENSG00000240257; MGC26395; G antigen 2D;cancer/testis antigen 4.8; CT4.8; GAGE8; GAGE-8; GAGE-2D
Gene ID	729408
mRNA Refseq	NM_001098407.1
Protein Refseq	NP_001091877.1
MIM	300735
UniProt ID	Q9UEU5
Chromosome Location	Xp11.23

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