
Product Data Sheet

Product Name: GAGE2D Human
 Cat. No.: GP23532
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	G Antigen 2D; Cancer/Testis Antigen 4.8; CT4.8; GAGE-8; GAGE8;G Antigen 8.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSWRGRS TYRPRRRYV EPPEMIGPMR PEQFSDEVPEP ATPEEGEPATQRQDPAAAQE GEDEGASAGQ GPKPEADSQE QGHPQTGCEC EDGPDGQEMD PPNPEEVKTP EEGEKQSQC		
Formulation	GAGE2D protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

GAGE2D is a member of the GAGE family, which organized in clustered repeats. In addition, 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; however the high identity of the GAGE members made it impossible to separate products of paralogous genes from polymorph products. Moreover GAGE2D is not expressed in normal tissues, except in testis; however it is expressed by a large proportion of tumors of various histological origins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GAGE2D Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 139 amino acids (1-116 a.a) and having a molecular mass of 15.2kDa (Molecular size on SDS-PAGE will appear higher).

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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