
Product Data Sheet

Product Name: GAGE12F Human
 Cat. No.: GP23533
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	G Antigen 12F; GAGE-12F; G Antigen 12F/G/I.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSWRGRS TYYWPRPRRY VQPPEMIGPM RPEQFSDEVE PATPEEGEPATQRQDPAAAQ EGEDEGASAG QGPKPEAHSQ EQGHPQTGCE CEDGPDGQEM DPPNPEEVKT PEEGEKQSQC		
Formulation	GAGE12F protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.		

Introduction

GAGE12F is a member of the GAGE multigene family expressed in a large range of tumors whereas in normal tissues, its expression is restricted to germ cells. These genes are organized in clustered repeats, and have a high degree of conserved sequence identity, however differ by scattered single nucleotide substitution. Their sequences contain either the antigenic peptide YYWPRPRRY or YRPRPRRY which is recognized by cytotoxic T-cells.

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

GAGE12F Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 140 amino acids (1-117aa) and having a molecular mass of 15.4kDa.

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

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