
Product Data Sheet

Product Name: XAGE1A Human
 Cat. No.: GP25021
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	X antigen family member 1; XAGE-1; Cancer/testis antigen 12.1; CT12.1; G antigen family D member 2; XAGE1A; GAGED2; XAGE1; CTP9; CT12.1C.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEPKKK NQQLKVGILH LGSRQKKIRI QLRSQCATWK VICKSCISQT PGINLDLGSG VKVKIIPKEE HCKMPEAGEE QPQV.		
Formulation	XAGE1A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 2mM DTT.		

Introduction

G antigen family D member 2 (XAGE1A) belongs to the XAGE subfamily, which is a member of the GAGE family. The GAGE genes are expressed various tumors and in a number of fetal and reproductive tissues. XAGE1A contains a nuclear localization signal and shares a sequence similarity with other GAGE/PAGE proteins. XAGE1A is strongly expressed in Ewing's sarcoma, alveolar rhabdomyosarcoma and normal testis. Due to the expression pattern and the sequence similarity, the XAGE1A protein is also a member of a family of CT (cancer-testis) antigens.

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

XAGE1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 104 amino acids (1-81 a.a) and having a molecular mass of

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11.5kDa.XAGE1A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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