

## XAGE1A Human

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

**Catalog #:**PRPS-1263

For research use only.

**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.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMESPKKK NQQLKVGILH  
LGSRQKKIRI QLRQCATWK VICKSCISQT PGINLDLGSV VKVKIIPKEE HCKMPEAGEE QPQV.

**Purity:**Greater than 85.0% as determined by SDS-PAGE.

### Formulation:

XAGE1A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 2mM DTT.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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