

# Product information

## XAGE1A, 1-81aa

Human, His-tagged, Recombinant, *E.coli*

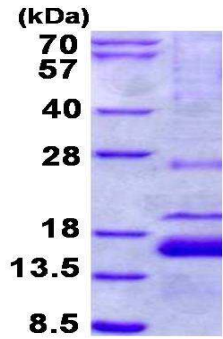
Cat. No. IBATGP1763

**Full name:** G antigen family D member 2

**NCBI Accession No.:** NP\_001091061

**Synonyms:** CT12.1, CT12.1A, CTP9, GAGED2, XAGE1, XAGE1B, XAGE1C, XAGE1D, XAGE1E

**Description:** G antigen family D member 2, also known as XAGE1A, is a member of the XAGE subfamily, which belongs to the GAGE family. The GAGE genes are expressed in a variety of tumors and in some fetal and reproductive tissues. This gene is strongly expressed in Ewing's sarcoma, alveolar rhabdomyosarcoma and normal testis. The protein encoded by this gene contains a nuclear localization signal and shares a sequence similarity with other GAGE/PAGE proteins. Because of the expression pattern and the sequence similarity, this protein also belongs to a family of CT(cancer-testis) antigens. Recombinant human XAGE1A protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p><b>Form:</b> Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 2mM DTT, 30% glycerol, 0.1mM PMSF</p> <p><b>Molecular Weight:</b> 11.5 kDa (104aa) confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 85% by SDS - PAGE</p> <p><b>Concentration:</b> 0.25 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMESPKKK</u> NQQLKVGILH LGSRQKKIRI QLRQCATWK VICKSCISQT PGINLDLGSG VKVKIIPKEE HCKMPEAGEE QPQV</p>	

### General references:

Egland K.A., *et al.* (2002) *Mol. Cancer Ther.* 1:441-450

Sato S., *et al.* (2007) *Cancer Immun.* 7:5-5

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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