

XAGE1A, 1-81aa, Human, His tag, E.coli

Cat.NO.: TP04510

3th Edition

Synonyms:G antigen family D member 2, 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 2mM DTT, 30% glycerol, 0.1mM PMSF

Molecular Weight:11.5 kDa (104aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMESPKKKNQQLKVGILHLGSRQKKIRIQLRSQCATWKVICKSCISQTPGINLD
LGSGVKVKIIPKEEHCKMPEAGEEQPV

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.