

## Product datasheet for **AR50587PU-S**

### **XAGE-1 / G antigen family D member 2 (1-81, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	XAGE-1 / G antigen family D member 2 (1-81, His-tag) human recombinant protein, 10 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSME <span style="text-decoration: underline;">SP</span> KKK NQQLKVGILH LGS <span style="text-decoration: underline;">RQ</span> KKIRI Q <span style="text-decoration: underline;">LRS</span> QCATWK VICKSCISQT PGINLDL <span style="text-decoration: underline;">GSG</span> VKVKIIPK <span style="text-decoration: underline;">EE</span> HCKMPEAG <span style="text-decoration: underline;">EE</span> QPQV
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	11.5 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human XAGE1A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001091073</a>
<b>Locus ID:</b>	653067
<b>UniProt ID:</b>	<a href="#">Q9HD64</a>
<b>Cytogenetics:</b>	Xp11.22
<b>Synonyms:</b>	CT12.1; CT12.1b; CT12.1C; CT12.1D; CT12.1E; CTP9; GAGED2; XAGE-1; XAGE1; XAGE1C; XAGE1D; XAGE1E



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**Summary:**

This gene 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. Alternative splicing of this gene, in addition to alternative transcription start sites, results in multiple transcript variants. [provided by RefSeq, Jan 2010]

**Product images:**