

## HUMAN XAGE1A PROTEIN, HFC TAG

**Cat.#:** 11726

**Product Name:** Human XAGE1A Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CT12.1;CT12.1A;CTP9;GAGED2;XAGE1

**Target:** XAGE1A

**UNIPROT ID:** Q9HD64

**Description:** Recombinant Human XAGE1A Protein with N-terminal human Fc tag

**Background:** 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]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 35.2 kDa after removal of the signal peptide. The apparent molecular mass of hFc-XAGE1A is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** hFc(Glu99-Ala330) XAGE1A(Met1-Val81)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

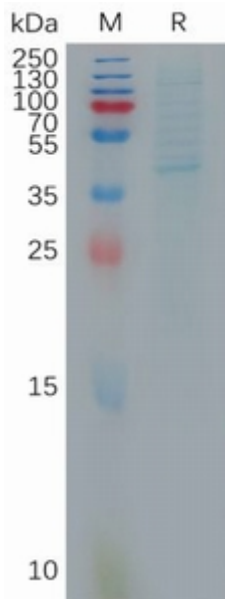


Figure 1. Human XAGE1A Protein, hFc Tag on SDS-PAGE under reducing condition.