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.

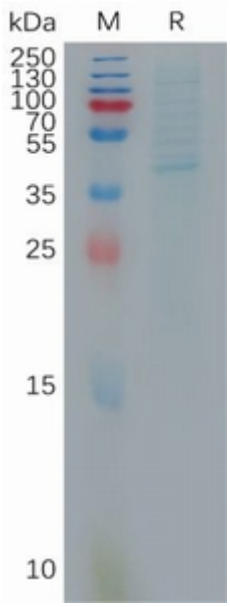

Figure 1. Human XAGE1A Protein, hFc Tag on SDS-PAGE under reducing condition.