

XAGE1A recombinant protein

Human XAGE1A Protein, hFc Tag

CATALOG #
AAA47387

HOST
HEK293 cells

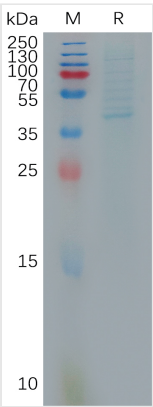
PRODUCT SYNONYMS

XAGE1A; Human XAGE1A Protein; hFc Tag; CT12.1; CT12.1A; CTP9; GAGED2; XAGE1; XAGE1A recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5 % to 8% trehalose is added as protectants before lyophilization.
Concentration	0.08mg/mL (varies by lot)
Reconstitution	1) Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5 at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube. 2) Dissolved lyophilized protein sample in sterile water based on the recommended volume 625uL 3) After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Tag	N-Human Fc tag
Molecular Characterization	hFc(Glu99-Ala330) XAGE1A(Met1-Val81)
Molecular Weight Note	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.
Visual Inspection	Test: Vial Label ; Specification: Label aligned and complete ; Result: Pass Test: Bottle Sealing (manual check) ; Specification: Sealed tight ; Result: Pass
Quantity Bioactivity	Test: BCA method ; Specification: $\geq$ Specified quantity ; Result: Pass Test: ELISA OD450 value (0.2ug/well) ; Specification: Bind to anti-DYKDDDDK monoclonal antibody ; Results: Pass
Other Properties	Test: pH ; Specification: 8.0 ± 0.5 ; Result: Pass
Preparation and Storage	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).

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for XAGE1A recombinant protein	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]
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	284055266
NCBI GeneID	653220
NCBI Accession #	NP_001091063.2
NCBI GenBank Nucleotide #	NM_001097594.2
UniProt Accession #	Q9HD64; Q5JPN8; Q5JPP0; Q5JPP3; Q8WWG5; Q8WWG6; Q969J6; A6NJ94
NCBI Official Full Name	X antigen family member 1 isoform a
NCBI Official Synonym Full Names	X antigen family, member 1B
NCBI Official Symbol	XAGE1B
NCBI Official Synonym Symbols	CTP9; XAGE1; CT12.1; GAGED2; XAGE-1; XAGE1A; CT12.1A; CT12.1B
NCBI Protein Information	X antigen family member 1; G antigen family D member 2; X antigen family, member 1A; cancer/testis antigen 12.1; cancer/testis antigen family 12, member 1a; cancer/testis antigen family 12, member 1b; cancer/testis associated protein; protein XAGE-1
UniProt Protein Name	X antigen family member 1
UniProt Gene Name	XAGE1A
UniProt Synonym Gene Names	GAGED2; XAGE1; XAGE-1; CT12.1
UniProt Entry Name	XAGE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

