

Kidney-associated antigen 1(KAAG1) Active Protein | KAAG1 active protein

Recombinant Human Kidney-associated antigen 1(KAAG1)(Active)

CATALOG #
AAA279253

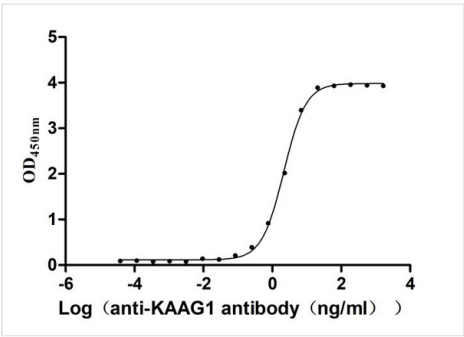
HOST
E coli

PRODUCT SYNONYMS

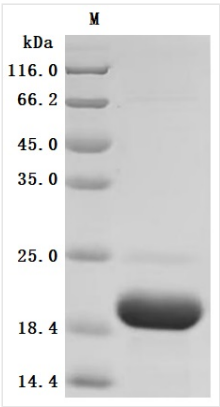
Kidney-associated antigen 1(KAAG1); Recombinant Human Kidney-associated antigen 1(KAAG1)(Active); RU2AS; KAAG1 active protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	1-84aa; Full Length
Sequence	MDDDAAPRVE GVPVAVHKHA LHDGLRQVAG PGAAAAHLPR WPPPLAASR REAPPLSQRP HRTQGAGSPP ETNEKLTNPQ VKEK\$
Species	Homo sapiens (Human)
Tag	C-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human KAAG1 at 2 ug/mL can bind Anti-KAAG1 recombinant antibody. The EC50 is 2.040-2.284 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human KAAG1 at 2?g/mL can bind Anti-KAAG1 recombinant antibody, the EC50 is 2.040-2.284 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Product Categories/Family for KAAG1 active protein	Active Protein & In Stock Protein
References	"A new antigen recognized by cytolytic T lymphocytes on a human kidney tumor results from reverse strand transcription."Van den Eynde B.J., Gaugler B., Probst-Kepper M., Michaux L., Devuyst O., Lorge F., Weynants P., Boon T.. Exp. Med. 190:1793-1800 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31044434
NCBI GeneID	353219
NCBI Accession #	NP_851854.1
NCBI GenBank Nucleotide #	NM_181337.3
UniProt Accession #	Q9UBP8
Molecular Weight	8,969 Da
NCBI Official Full Name	kidney-associated antigen 1
NCBI Official Synonym Full Names	kidney associated antigen 1
NCBI Official Symbol	KAAG1
NCBI Official Synonym Symbols	RU2AS
NCBI Protein Information	kidney-associated antigen 1; RU2 antisense gene protein
UniProt Protein Name	Kidney-associated antigen 1
UniProt Gene Name	KAAG1
UniProt Synonym Gene Names	RU2AS
UniProt Entry Name	KAAG1_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.