

Full-Length

AK7 (Human) Recombinant Protein (P01)

Catalog # H00122481-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AK7 full-length ORF (AAH35256, 1 a.a. - 656 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEEEETAALTEKVIRTQRVFINLLDSYSSGNIGKFLSNCVVGASLEEITEEEEEEDENKSAMLEAS
STKVKEGTFQMGTLSPDSPRPDFAVETYSAISRELLMRLLCEDVIYNITESSQQMEEAMAVSA
LSEEVSHFEKRKLFILLSTVMTWARSKALDPEDSEVPFTEEDYRRRKSHPNFLDHINAEKMLKF
GKKARKFAAYVVAAGLQYGAEGGMLHTFFKMAWLGEIPALPVFGDGTNVIPTIHVLDLAGVIQNV
DHVPKPHYLVAVDESHTLEDIVKCSKNTGPGKIQKIPRENAYLTKDLTQDCLDHLVNLRMEALF
VKENFNIRWAAQTGFVENINTILKEYKQSRGLMPIKICILGPPAVGKSSIAKELAKYYKLHHIQLKDVIS
EAIKLEAVAPNDVGEGEEEEEEEEENVEDAQELLDGIKESMEQNAGQLDDQYIIRFMKEKLK
SMPCRNRGYILDGFPKTYDQAKDLFNQEDEEEEDDVRGRMFDPDKLIPEFVCALDASDEFLKER
VINLPESVAGTHYSQDRFLRALSNYRDINIDDETTFNYFDELEIHPHIDVGKLEDAQNRLAIKQLIKET
GEPRNYGLTDEEKAEGERKAAEERLAREAAEEAEREHQEAVEMAELARWE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.90

Interspecies Antigen Sequence

Mouse (84); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AK7

Entrez GeneID	122481
GeneBank Accession#	BC035256
Protein Accession#	AAH35256
Gene Name	AK7
Gene Alias	FLJ32864
Gene Description	adenylate kinase 7
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)