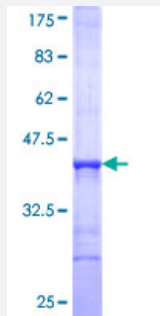


AK5 (Human) Recombinant Protein (Q01)

Catalog # H00026289-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human AK5 partial ORF (NP_777283, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNTNDAKEYLARREIPQLFESLLNGLMCSKPEDPVEYLESCLQKVKELGCGDKVKWDTFVSQEK KTLPLNGGQSRRSFLRNVMPE NSNFPYRRYDRLPP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (91); Rat (90)
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 — AK5

Entrez GeneID [26289](#)

GeneBank Accession# [NM_174858](#)

Protein Accession# [NP_777283](#)

Gene Name AK5

Gene Alias AK6, MGC33326

Gene Description adenylate kinase 5

Omim ID [608009](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the adenylate kinase family, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations ATP-AMP transphosphorylase|OTTHUMP00000011354|OTTHUMP00000011355|adenylate kinase 6

Pathway

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

Disease

- [Tobacco Use Disorder](#)