

Human recombinant protein AK2
Human Recombinant AK2
Catalog # PBV10622r**Specification****Human recombinant protein AK2 - Product info**

Primary Accession	P54819
Concentration	1
Calculated MW	28.6 kDa (259 aa, 1-239 aa + NT His Tag) KDa

Human recombinant protein AK2 - Additional Info

Gene ID	204
Gene Symbol	AK2
Other Names	
Adenylate kinase 2, ADK2	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>1.5 units/ml
Sequence	MGSSHHHHHH SSGLVPRGSH MAPSVPAAEPEYPKGIRAVL LGPPGAGKGT QAPRLAENFCVCHLATGDML RAMVASGSEL GKCLKATMDAGKLVSDVMV ELIEKNLETP LCKNGFLLDGFPRTVRQAEM LDDLMEKRKE KLDSVIEFSIPDSLLIRIT GRILHPKSGR SYHEEFNPPKEPMKDDITGE PLIRRSDDNE KALKIRLQAYHTQTTPLIEY YRKRGIHSAI DASQTPDVVFASILAAFSKA TCKDLVMFI

Format
Liquid**Storage**
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 7.5) containing 5 mM DTT and 20% glycerol.**Human recombinant protein AK2 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein AK2 - Images

Human recombinant protein AK2 - Background

Adenylate kinase (AK; adenosine triphosphate-adenosine monophosphate [ATP-AMP] phosphotransferase) is a ubiquitous monomeric enzyme involved energy metabolism of prokaryotic and eukaryotic cells. Three isozymes (AK1, AK2 and AK3) are characterized in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. AK2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis.

Human recombinant protein AK2 - References

Lee Y., et al. Biochem. Mol. Biol. Int. 39:833-842(1996).
Lee Y., et al. J. Biochem. 123:47-54(1998).
Noma T., et al. Biochim. Biophys. Acta 1395:34-39(1998).
Guo J., et al. Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).