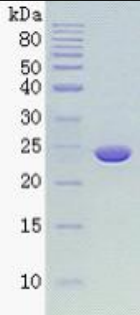


Recombinant Human AK1 Protein Data Sheet

Catalog #	hRP-V1578-EF042
Size	100 µg
Protein Name	Human adenylate kinase isoenzyme 1
Protein Symbol	AK1
Original Source	<i>Homo sapiens</i>
Expression System	<i>E.coli</i>
GenBank Accession #	BC001116.1
Uniprot Accession #	P00568
Description	It was identified because of its association with a rare genetic disorder causing nonspherocytic hemolytic anemia where a mutation in the AK1 gene was found to reduce the catalytic activity of the enzyme. This small ubiquitous enzyme is essential for maintenance and cell growth.
Application	WB, ELISA, IP, antibody production, protein array
Fusion tag	none
Peptide Length	194aa
Molecular Weight	21.6kDa
pI	8.6
Activity	NA
Storage	Storage buffer: 50mM Tris.Cl, 50mM NaCl, 2.5% Glycerol, pH8.0. Store at -80°C and avoid repeated freeze-thaw cycles.
	
Reference:	• Adenylate kinase AK1 knockout heart: energetics and functional performance under ischemia-reperfusion



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