

## Recombinant Human AK4, Gly & Pro tagged

Cat. No. AK4-463H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AK4 (P27144-1) (Ala2-Tyr223), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	2-223 a.a.
<b>Predicted N Terminal</b>	Gly
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
<b>Molecular Mass</b>	The secreted recombinant human AK4 consists of 224 amino acids and predicts a molecular mass of 25.3 KDa. The apparent molecular mass of the protein is approximately 27 KDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70oC.
<b>Storage</b>	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [AK4 adenylate kinase 4 \[ Homo sapiens \]](#)

**Official Symbol** AK4

**Gene ID** [205](#)

**mRNA Refseq** [NM\\_001005353](#)

**Protein Refseq** [NP\\_001005353](#)

**MIM** [103030](#)

**UniProt ID** [P27144](#)

**Chromosome Location** 1p31.3

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