

RPPB5787

---

## Product Information    Protein Information

**Product SKU:**

RPPB5787

**Accession:**

P00813

**Host:**

Escherichia Coli.

**Protein description:**

ADA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 383 amino acids (1-363) and having a molecular mass of 42.9 kDa. The ADA is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

ADA is supplied as a sterile filtered clear solution.

**Synonyms:**

Adenosine deaminase, Adenosine aminohydrolase, ADA1, EC 3.5.4.4.

**Formulation:**

ADA protein 0.5mg/ml is supplied in 20mM Tris-HCL, pH-8, 1mM DTT and 20% Glycerol.

**Purity:**

Greater than 85.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SSSLVPRGSH MAQTPAFDKP KVELHVHLDG SIKPETILYY GRRRGIALPA NTAEGLLNVI  
GMDKPLTLPD FLAKFDYYMP AIAGCREAIK RIAYEFVEMK AKEGVVYVEV RYSPHLLANS KVEPIPWNQA  
EGDLTPDEVV ALVGQGLQEG ERDFGVKARS ILCCMRHQPN WSPKVVELCK KYQQQTVVAI DLAGDETIPG  
SSLLPGHVQA YQEAVKSGIH RTVHAGEVGS AEVVKEAVDI LKTERLGHGY HTLEDQALYN RLRQENMHFE  
ICPWSSYLTG AWKPDTEHAV IRLKNDQANY SLNTDDPLIF KSTLTDYQM TKRDMGFTEE EFKRLNINAA  
KSSFLPEDEK RELLDLLYKA YGMPPSASAG QNL

**Biological Activity:**

Specific activity: approximately >25 units/mg. Enzymatic activity was confirmed by measuring the amount of enzyme that deaminates 1.0 umol of adenosine to inosine per minute at pH 7.5 at 25C.