

Human recombinant protein ADA
Human Recombinant ADA
Catalog # PBV10629r**Specification**

Human recombinant protein ADA - Product info

Primary Accession	P00813
Concentration	0.5
Calculated MW	42.9 kDa (383 aa, 1-363 aa + NT His Tag) kDa

Human recombinant protein ADA - Additional Info

Gene ID	100
Gene Symbol	ADA
Other Names	
Adenosine deaminase, Adenosine aminohydrolase, ADA1.	

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>25 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MAQTPAFDKP KVELHVHLDG SIKPETILYY GRRRGIALPA NTAEGLLNVI GMDKPLTLPD FLAKFDYYMP AIAGCREAIK RIAYEFVEMK AKEGVVYVEV RYSPELLANS KVEPIPNQA EGDLPDEVV ALVGQGLQEG ERDFGVKARS ILCCMRHQPN WSPKVVELCK KYQQQTVVAI DLAGDETIPG SSLLPGHVQA YQEAVKSGIH RTVHAGEVGS AEVVKEAVDI LKTERLGHHY HTLEDQALYN RLRQENMHFE ICPWSSYLTG AWKPDTEHAV IRLKNQDQANY SLNTDDPLIF KSTLTDYQM TKRDMGFTEE EFKRLNINAA KSSFLPEDEK RELLDLYKA YGMPPSASAG QNL

Format
Liquid**Storage**
-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 20% glycerol.**Human recombinant protein ADA - 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 ADA - Images

Human recombinant protein ADA - Background

ADA, also known as adenosine deaminase, catalyzes the hydrolytic deamination of adenosine and 2-deoxyadenosine. This protein plays an important role in purine metabolism and in adenosine homeostasis. ADA acts as a positive regulator of T-cell coactivation, by binding DPP4. Its interaction with DPP4 regulates lymphocyte epithelial cell adhesion.

Human recombinant protein ADA - References

Daddona P.E.,et al.J. Biol. Chem. 259:12101-12106(1984).
Wiginton D.A.,et al.Nucleic Acids Res. 12:2439-2446(1984).
Valerio D.,et al.EMBO J. 4:437-443(1985).
Wiginton D.A.,et al.Biochemistry 25:8234-8244(1986).
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.