

Recombinant Human ADP, His-tagged, S tagged

Cat. No. ADP-3198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Adiponectin (ADP)
Species	Human
Source	E.coli
ProteinLength	244
Description	This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	30.3kDa
Endotoxin	<1.0eu per 1ug (determined by the lal</1.0eu
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of ADP recombinant protein may occasionally become entrapped in

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the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	ADP
Official Symbol	ADP
Synonyms	ADIPOQ; ADIPOQ; ACDG; ADPN; APM1; APM-1;...
Gene ID	9370
mRNA Refseq	NM_001177800.1
Protein Refseq	NP_001171271.1

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MIM	605441
UniProt ID	Q15848
Chromosome Location	Chromosome: 3; NC_000003.11 (186560463..186576252). Location: 3q27
Pathway	AMPK signaling, organism-specific biosystem; Adipogenesis, organism-specific biosystem
Function	cytokine activity; hormone activity

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