

Recombinant Human ADI1, T7 -tagged

Cat. No. ADI1-27097TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-179 of Human ADI1.T7 tag at N terminus.
Species	Human
Source	E.coli
ProteinLength	1-179 a.a.
Description	This gene encodes an enzyme that belongs to the aci-reductone dioxygenase family of metal-binding enzymes, which are involved in methionine salvage. This enzyme may regulate mRNA processing in the nucleus, and may carry out different functions depending on its localization. Related pseudogenes have been defined on chromosomes 8 and 20.
Conjugation	T7
Tissue specificity	Detected in heart, colon, lung, stomach, brain, spleen, liver, skeletal muscle and kidney.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium Azide Constituents: 10mM Tris, 0.1% Triton X-100, pH

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	8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MVQAWYMDDA PGDPRQPHRP DPGRPVGLEQ LRRLGVLYWK LDADKYENDP ELEKIRRERN YSWMDIITIC KDKLPNYEEK IKMFYEEHLH LDDEIRYILD GSGYFDVRDK EDQWIRIFME KGDMVTL PAG IYHRFTVDEK NYTKAMRLFV GEPVWTAYNR PADHFEARGQ YVKFLAQT A
Sequence Similarities	Belongs to the acireductone dioxygenase (ARD) family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	ADI1 acireductone dioxygenase 1 [Homo sapiens]
Official Symbol	ADI1
Synonyms	ADI1; acireductone dioxygenase 1; 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase; APL1; ARD; FLJ10913; HMFT1638; membrane type 1 matrix metalloproteinase cytoplasmic tail binding protein 1; MTCBP 1; SIPL;
Gene ID	55256
mRNA Refseq	NM_018269
Protein Refseq	NP_060739
MIM	613400

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Uniprot ID	Q9BV57
Chromosome Location	2p25.2
Pathway	Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem;
Function	acireductone dioxygenase [iron(II)-requiring] activity; metal ion binding; oxidoreductase activity; protein binding;

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