

# Recombinant Full Length Human ADI1 Protein, GST-tagged

**Cat. No.** ADI1-946HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ADI1 full-length ORF ( NP_060739.1, 1 a.a. - 179 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	179 amino acids
<b>Description</b>	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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]
<b>Molecular Mass</b>	47.9 kDa
<b>AA Sequence</b>	MVLAWYMDDA PGDPRQPHRP DPGRPVGLEQ LRRLGVLYWK LDADKYENDP ELEKIRRERN YSWMDIITIC KDKLPNYEEK IKMFYEEHLH LDDEIRYILD GSGYFDVRDK EDQWIRIFME KGDMVTLPAG IYHRFTVDEK NYTKAMRLFV GEPVWTAYNR PADHFEARGQ YVKFLAQTA
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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Antibody Production  
Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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; submergence induced protein 2; submergence-induced protein-like factor; MT1-MMP cytoplasmic tail-binding protein-1; acireductone dioxygenase (Fe(2+)-requiring); acireductone dioxygenase (Ni(2+)-requiring); membrane-type 1 matrix metalloproteinase cytoplasmic tail binding protein-1; Fe-ARD; MTCBP1; Ni-ARD

**Gene ID** 55256

**mRNA Refseq** NM\_018269

**Protein Refseq** NP\_060739

**MIM** 613400

**UniProt ID** Q9BV57

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