Recombinant Human ADI1 protein, T7-tagged

Cat. No. ADI1-165H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ADI1 gene (179aa, Isoform-1) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	179 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFVQAWYMDDAPGDPRQPHRPDPGRPVGLEQLRRLGVLY WKLDADKYENDPELEKIRRERNY SWMDIITICKDKLPNYEEKIKMFYEEHLHLDDEIR YILDGSGYFDVRDKEDQWIRIFMEKGDMVTLPAGIYHRFT VDEKNYTKAMRLFVGE PVWTAYNRPADHFEARGQYVKFLAQTA
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION

Gene Name	ADI1 acireductone dioxygenase 1 [Homo sapiens]

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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
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; Metabolism of polyamines, organism-specific biosystem; Methionine salvage pathway, organism-specific biosystem;
Function	acireductone dioxygenase [iron(II)-requiring] activity; metal ion binding; oxidoreductase activity; protein binding;

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