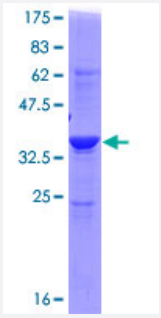
Full-Length

ADI1 (Human) Recombinant Protein (P01)

Catalog # H00055256-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADI1 full-length ORF (NP_060739.1, 1 a.a. - 179 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVLAWYMDDAPGDPRQPHRPDPGRPVGLEQLRRLGVLYWKLDADKYENDPELEKIRRERNYSW MDIITICKDKLPNYEEKIKMFYEEHLHLDDEIRYILDGSGYFDVRDKEDQWIRIFMEKGDMVTLPAGIY HRFTVDEKNYTKAMRLFVGEPVWTAYNRPADHFEARGQYVKFLAQTA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.9
Interspecies Antigen Sequence	Mouse (85); Rat (84)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADI1

Entrez GeneID	55256
GeneBank Accession#	NM_018269.1
Protein Accession#	NP_060739.1
Gene Name	ADI1
Gene Alias	APL1, ARD, FLJ10913, HMFT1638, MTCBP-1, MTCBP1, SIP-L, SIPL
Gene Description	acireductone dioxygenase 1
Gene Ontology	Hyperlink
Gene Summary	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. A pseudogene that is located on chromosome 20 has been defined for this gene. [provided by RefSeq
Other Designations	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase|MT1-MMP cytoplasmic tail-binding protein-1|membrane-type 1 matrix metalloproteinase cytoplasmic tail binding protein-1|submergence induced protein 2

Pathway

- Cysteine and methionine metabolism
- Metabolic pathways

Disease

- Tobacco Use Disorder