

Recombinant human ADI1 protein

Catalog Number: ATGP1975

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-179aa

UniProt No.

Q9BV57

NCBI Accession No.

NP_060739

Alternative Names

Acireductone dioxygenase 1, APL1, ARD, FLJ10913, HMFT1638, MTCBP-1, SIPL

PRODUCT SPECIFICATION

Molecular Weight

25.6 kDa (216aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ADI1 is an enzyme that belongs to the acireductone 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. Also, it down-regulates cell migration mediated by MMP14. Recombinant human ADI1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

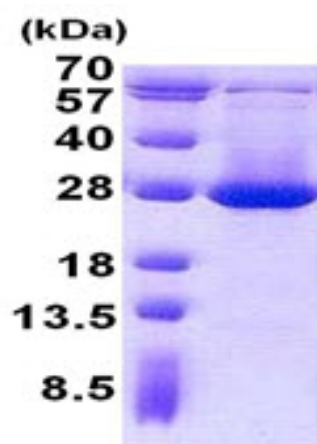
MRGSHHHHHH GMASMTGGGQQ MGRDLYDDDD KDRWGSSMVL AWYMDDAPGD PRQPHRPDPG RPVGGLEQLRR
LGVLYWK LDA DKYENDPELE KIRRERNYSW MDIITICKDK LPNYEEKIKM FYEEHLHLDD EIRYILDGSG YFDVRDKEDQ
WIRIFMEKGD MVTLPAGIYH RFTVDEKNYT KAMRLFVGEV VWTAYNRPAD HFEARGQYVK FLAQTA

General References

Gotoh, I., et al. (2007) Genes Cells 12 (1), 105-117

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)