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.



Amino acid Sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSMVL AWYMDDAPGD PRQPHRPDPG RPVGLEQLRR LGVLYWKLDA DKYENDPELE KIRRERNYSW MDIITICKDK LPNYEEKIKM FYEEHLHLDD EIRYILDGSG YFDVRDKEDQ WIRIFMEKGD MVTLPAGIYH RFTVDEKNYT KAMRLFVGEP VWTAYNRPAD HFEARGQYVK FLAQTA

General References

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

