

ADI1 Human

Description: ADI1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 216 amino acids (1-179 a.a.) and having a molecular mass of 25.6kDa. ADI1 is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-707

For research use only.

Synonyms: APL1, ARD, FLJ10913, HMFT1638, MTCBP-1, SIPL, 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase, Acireductone dioxygenase, Fe-ARD, Membrane-type 1 matrix metalloproteinase cytoplasmic tail-binding protein 1, Submergence-induced protein-like factor.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSMVL
AWYMDDAPGD PRQPHRPDPG RPVGLEQLRR LGVLYWKLDK DKYENDPELE KIRRERNYSW
MDIITICKDK LPNYEEKIKM FYEEHLHLD EIRYILDGSG YFDVRDKEDQ WIRIFMEKGD
MVTLPAGIYH RFTVDEKNYT KAMRLFVGEP VWTAYNRPAD HFEARGQYVK FLAQTA.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The ADI1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Acireductone dioxygenase 1 (ADI1) is a part of the acireductone dioxygenase family of metal-binding enzymes, which are involved in methionine salvage. ADI1 regulates mRNA processing in the nucleus, and carries out different functions depending on its localization. Related pseudogenes have been defined on chromosomes 8 and 20. ADI1 down-regulates cell migration arbitrated by MMP14.

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