

## Acireductone Dioxygenase 1 Human Recombinant

<b>Item Number</b>	rAP-1452
<b>Synonyms</b>	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.
<b>Description</b>	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.
<b>Uniprot Accesion Number</b>	Q9BV57
<b>Amino Acid Sequence</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSMVL AWYMDDAPGD PRQPHRPDPG RPVGLQLRR LGVLYWKLDA DKYENDPELE KIRRERNYSW MDIITICKDK LPNYEEKIKM FYEEHLHLDD EIRYILDGSG YFDVRDKEDQ WIRIFMEKGD MVTLPAGIYH RFTVDEKNYT KAMRLFVGEP VWTAYNRPAD HFEARGQYVK FLAQTA.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. 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.
<b>Formulation and Purity</b>	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. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**