

Isocitrate Dehydrogenase-1 Yeast Recombinant

Item Number	rAP-0996
Synonyms	Isocitrate dehydrogenase [NADP] cytoplasmic, EC 1.1.1.42, Cytosolic NADP-isocitrate dehydrogenase, Oxalosuccinate decarboxylase, IDH, NADP(+)-specific ICDH, IDP, PICD.
Description	Recombinant Saccharomyces Cerevisiae ICDH (NADP) derived from yeast host cells by using over-expression system, is full length same as designated ICD1 from Saccharomyces Cerevisiae. The N-terminal amino acid Phenylalanine residue next to Met is substituted with Alanine for overexpression. The
Uniprot Accession Number	
Amino Acid Sequence	
Source	Yeast cells.
Physical Appearance and Stability	Sterile Filtered clear 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.
Formulation and Purity	One ml of solution contains 0.075 mol/l KPO ₄ , 50% Glycerol, pH 7.1. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	
Biological Activity	The specific activity was found to be 115 U/mg.
Shipping Format and Condition	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**