Recombinant Mouse Idh3a Protein, Myc/DDK-tagged

Cat. No. Idh3a-3473M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length isocitrate dehydrogenase 3 (NAD+) alpha (cDNA clone MGC:19310 IMAGE:4166193), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalytic subunit of the enzyme which catalyzes the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.
Molecular Mass	31.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Idh3a isocitrate dehydrogenase 3 (NAD+) alpha [Mus musculus (house mouse)]
Official Symbol	Idh3a
Synonyms	Idh3a; isocitrate dehydrogenase 3 (NAD+) alpha; AA407078; AI316514; 1110003P10Rik; 1500012E04Rik; isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial; NAD(+)-specific ICDH subunit alpha; isocitric dehydrogenase subunit alpha; EC 1.1.1.41
Gene ID	67834
mRNA Refseq	NM_029573
Protein Refseq	NP_083849
UniProt ID	Q9D6R2

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