

Recombinant Human IDH3G protein, His-SUMO-tagged

Cat. No. IDH3G-3064H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IDH3G protein(P51553)(40-393aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	40-393aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	54.8 kDa
AA Sequence	FSEQTIPPSAKYGGRRHTVTMIPGDGIGPELMLHVKS VFRHACVPVDFEEVHVSSNAD EEDIRNAIMAIRNRVALKGNIETNHNLP SHKSRNNILRTSLDLYANVIHCKSLPGVV TRHKDIDILIVRENTEGEYSSLEHESVAGVVESLKIITKAKSLRIA EYAFKLAQESGRKK VTAVHKANIMKLG DGLFLQCCREVAARYPQITFENMIVDNTTMQLVSRPQQFDVMV MPNLYGNIVNNVCAGLVGGPGLVAGANYGHVYAVFETATRNTGKSIANKNIANPTAT LLASCMMLDHLKLHSYATSIRKAVLASMDNENMHTPDIGGQGT TSEAIQDVIRHIRVI NGRAVEA
Purity	Greater than 90% as determined by SDS-PAGE.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.
GENE INFORMATION	
Gene Name	IDH3G isocitrate dehydrogenase 3 (NAD+) gamma [Homo sapiens]
Official Symbol	IDH3G
Synonyms	IDH3G; isocitrate dehydrogenase 3 (NAD+) gamma; isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial; IDH-gamma; NAD+-specific ICDH; NAD(+)-specific ICDH subunit gamma; isocitric dehydrogenase subunit gamma; NAD (H)-specific isocitrate dehydrogenase gamma subunit; isocitrate dehydrogenase, NAD(+)-specific, mitochondrial, gamma subunit; H-IDHG;
Gene ID	3421
mRNA Refseq	NM_004135
Protein Refseq	NP_004126
MIM	300089
UniProt ID	P51553