

## 32-2463: IDH3G Recombinant Protein

**Alternative Name :** Isocitrate dehydrogenase [NAD] subunit gamma,mitochondrial,Isocitric dehydrogenase subunit gamma,NAD(+)-specific ICDH subunit gamma,IDH3G,H-IDHG.

### Description

Source : E.coli. IDH3G Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 375 amino acids (40-393) and having a molecular mass of 41.1kDa.IDH3G is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Isocitrate dehydrogenase [NAD] subunit gamma (IDH3G) mitochondrial is a member of the isocitrate and isopropylmalate dehydrogenases family. Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. The IDH3G is a gamma subunit of one isozyme of isocitrate dehydrogenase which belongs to a distinct subclass, which utilizes NAD(+) as the electron acceptor, and is restricted to the mitochondrial matrix.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The IDH3G solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 50% glycerol, 0.2M NaCl, 5mM DTT and 2mM EDTA.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MFSEQTIPPS AKYGG RHTVT MIPGDGIGPE LMLHVKS VFR HACVPVDFEE VHVSSNADEE DIRNAIMAIR RNRVALKGNI ETNHNLPSSH KSRNNILRTS LDLYANVIHC KSLPGVVTRH KDIDLIVRE NTEGEYSSLE HESVAGVVES LKIITKAKSL RIAEYAFKLA QESGRKKVTA VHKANIMKLG DGLFLQCCRE VAARYPQITF ENMIVDNTTM QLVS RPQQFD VMVMPNLYGN IVNNVCAGLV GGPGLVAGAN YGHVYAVFET ATRNTGKSIA NKNIANPTAT LLASCMMLDH LKLHSYATSI RKAVLASMDN ENMHTPDIGG QGTTSEAIQD VIRHIRVING RAVEA.

