

## Recombinant Glutamate Dehydrogenase 1 (GLUD1)

Cat No. :KF-P2263

**表达系统:** E. coli

**蛋白结构序列:** Asp334~Thr556

**蛋白编号:** P00367

**产品别称:** Glutamate dehydrogenase 1, mitochondrial , GDH, GDH1, GLUD

**分子量:** 28kDa

**纯度:** >90% as determined by SDS-PAGE.

**内毒素:** ≤10EU/mg as determined by LAL test.

**标签:** N-6His

**冻干 Buffer:** Phosphate buffered saline (pH7.4) containing 0.01% sarcosyl, 5%Trehalose

**复溶方式:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**运输条件:** 2-8℃

**保存条件:** Aliquot and store at -20℃ to -80℃ for up to 6 months, buffer containing 50% glycerol is recommen

**生物活性:** 待查。

**功能:** 线粒体谷氨酸脱氢酶, 催化 L-谷氨酸转化为  $\alpha$ -酮戊二酸。通过产生  $\alpha$ -酮戊二酸(三羧酸循环的重要中间体)在谷氨酰胺补充中起关键作用 (PubMed:11032875, :11254391, PubMed:16023112, PubMed:16959573)。胰岛素稳态中发挥作用 (PubMed:11297618, PubMed:9571255)。可能通过兴奋性神经递质谷氨酸的周转参与学习和记忆反应(基于相似性推测)。

仅供科研或生产使用, 不可直接应用于人体。

