

## 32-2275: DLD Recombinant Protein

**Alternative Name** : EC 1.8.1.4,DLD,DLDH,GCSL,PHE3,Dihydrolipoyl dehydrogenase mitochondrial,Dihydrolipoamide dehydrogenase,Glycine cleavage system L protein,LAD,E3.

### Description

Source : Escherichia Coli. DLD Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 511 amino acids (36-509 a.a.) and having a molecular mass of 54.4 kDa. The DLD is fused to a 37 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. DLD is an L protein of the mitochondrial glycine cleavage system which is also a component of the pyruvate dehydrogenase complex, the alpha-ketoglutarate dehydrogenase complex, and the branched-chain alpha-keto acide dehydrogenase complex. DLD mutations were found in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The DLD solution contains 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl and 10% glycerol.  
**Storage condition :** DLD Recombinant Human although stable at 4°C for 30 days, should be stored below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDQ PIDADVTVIG SGPGGYVAAI  
KAAQLGFKTV CIEKNETLGG TCLNVGCIPS KALLNNSHYY HMAHGKDFAS RGIEMSEVRL NLDKMMEQKS  
TAVKALTGGI AHLFKQNKVV HVNGYGKITG KNQVTATKAD GGTQVIDTKN ILIATGSEVT PFPGITDED  
TIVSSTGALS LKKVPEKMVV IGAGVIGVEL GSVWQRLGAD VTAVEFLGHV GGVGIDMEIS KNFQRILQKQ  
GFKFKLNTKV TGATKSDGK IDVSIEAASG GKAEVITCDV LLVCIGRRPF TKNLGLEELG IELDPRGRIP  
VNTRFQTKIP NIYAIGDVVA GPMLAHKAED EGIICVEGMA GGAVHIDYNC VPSVIYTHPE VAWVGKSEEQ  
LKEEGIEYKV GKFPFAANSR AKTNADTDGM VKILGQKSTD RVLGAHILGP GAGEMVNEAA LALEYGASCE  
DIARVCHAHP TLSEAFREAN LAASFGKSIN F.

