

GLOD4, 1-298aa, Human, His tag, E.coli

Cat.NO.: TP02255

3th Edition

Synonyms:Glyocalase domain-containing protein 4, C17orf25, CGI-150, HC71

Description:GLOD4, also known glyoxalase domain-containing protein 4, is an enzyme that belongs to the glyoxalase system. This system is a set of enzymes that carry out the detoxification of methylglyoxal and the other reactive aldehydes that are produced as a normal part of metabolism. It is a mitochondrial protein that interacts with NUDT9. Recombinant human GLOD4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:35.3 kDa (318aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAARRALHFVFKVGNRFQTARFYRDVLGMKVL RHEEFEEGCKAACNGPYDGKW
SKTMVGFGPEDDHFVAELTYNYGVGDYKLGNDFMGITLASSQAVSNARKLEWPLTEVAEGVFETEAPGGYKFY LQ
NRSLPQSDPVLKVT LAVSDLQKSLNYWCNLLGMKIYEKDEEKQRALLGYADNQCKLELQGVKGGVDHAAAFGR IAF
SCPQKELPDLEDLMKRENQKILTPLVSLDTPGKATVQVVILADPDGHEICFVGDEAFRELSKMDPEGSKLLDDAMA A
DKSDEWFAKHNP KASG

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.