

# Product information

## GLOD4, 1-298 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1149

**Full name:** Glyocalase domain-containing protein 4

**NCBI Accession No.:** NP\_057164

**Synonyms:** 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.

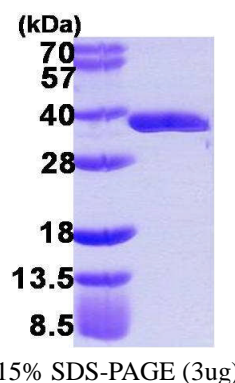
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT

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

**Purity:** > 95% by SDS - PAGE

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



### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MAARRALHFV FKVGNRFTA RFYRDVLGMK VLRHEEFEEG CKAACNGPYD GKWSKTMVGF GPEDDFVAE  
 LTNYGVGDY KLGNDFMGIT LASSQAVSNA RKLEWPLTEV AEGVFETEAP GGYKFYLNQR SLPQSDPVLK VTLAVSDLQK SLNYWCNLLG  
 MKIYEKDEEK QRALLGYADN QCKLELQGVK GGVDHAAAFG RIAFSCPQKE LPDLEDLMKR ENQKILTPLV SLDTPGKATV QVVILADPDG  
 HEICFVGDEA FRELSKMDPE GSKLLDDAMA ADKSDEWFAK HNKPKASG

### General references:

Qin WX. *et al.* (2001) *Cell Res.* 11:209-16.

Guo JY. *et al.* (2002) *Cell Res.* 12:339-52.

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**