

Recombinant human GLOD4 protein

Catalog Number: ATGP1149

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-298aa

UniProt No.

Q9HC38

NCBI Accession No.

NP_057164

Alternative Names

Glycolase domain-containing protein 4, C17orf25, CGI-150, HC71

PRODUCT SPECIFICATION

Molecular Weight

35.3 kDa (318aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH> MAARRALHFV FKVGNRFQTA RFYRDVLGMK VLRHEEFEEG CKAACNGPYD
GKWSKTMVGF GPEDDHFVAE LTYNYGVDY KLGNDFMGIT LASSQAVSNA RKLEWPLTEV AEGVFETEAP GGYKFYLQNR
SLPQSDPVLK VTLAVSDLQK SLNYWCNLLG MKIYEKDEEK QRALLGYADN QCKLELQGVK GGVDHAAAFG RIAFSCPQKE
LPDLEDLMKR ENQKILTPLV SLDTPGKATV QVVILADPDG HEICFVGDEA FRELSKMDPE GSKLLDDAMA ADKSDEWFAK
HNKPKASG

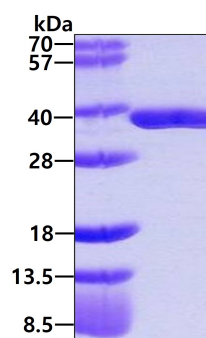
General References

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

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

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.