NKMAXBio We support you, we believe in your research

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
Glyocalase 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.

Recombinant human GLOD4 protein

Catalog Number: ATGP1149

Amino acid Sequence

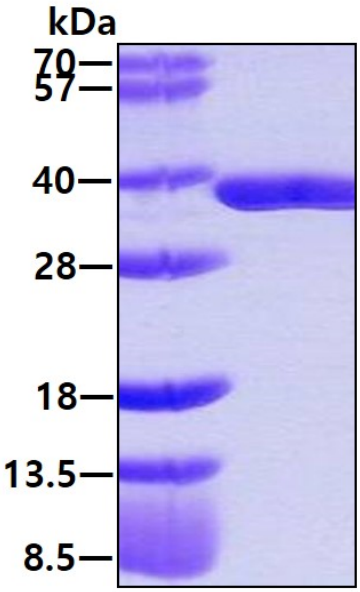
<MGSSHHHHHH SSGLVPRGSH> MAARRALHFV FKVGNRFQTA RFYRDVLGMK VLRHEEFEEG CKAACNGPYD GKWSKTMVGF GPEDDHFVAE LTYNYGVGDY KLGNDFMGIT LASSQAVSNA RKLEWPLTEV AEGVFETEAP GGYKFYLQNR SLPQSDPVLK VTLAVSDLQK SLNYWCNLLG MKIYEKDEEK QRALLGYADN QCKLELQGVK GGVDHAAAFG RIAFSCPQKE LPDLEDLMKR ENQKILTPLV SLDTPGKATV QVVILADPDG HEICFVGDEA 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



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