
Product Data Sheet

Product Name: GLOD4 Human
 Cat. No.: GP23563
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glyoxalase domain containing protein 4; HC71; C17orf25; CGI-150; Chromosome 17 open reading frame 25.		
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		
Formulation	The GLOD4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% glycerol.		

Introduction

GLOD4 is a part of the glyoxalase system which is a group of enzymes that is in charge of the detoxification of methylglyoxal and other reactive aldehydes that are usually produced in metabolism. The mitochondrial protein GLOD4 is known to interact with NUDT9.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GLOD4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 318 amino acids (1-298) and having a molecular mass of 35.3 kDa. The

Caution: Product has not been fully validated for medical applications. For research use only.

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GLOD4 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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