# NKMAXBIO We support you, we believe in your research

# Recombinant human NPL protein

Catalog Number: ATGP1028

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-320aa

#### UniProt No.

O9BXD5

#### **NCBI Accession No.**

NP 110396

### **Alternative Names**

N-acetylneuraminate lyase, c112, C1orf13, DHDPS1, MGC149582, MGC61869, NPL1

# **PRODUCT SPECIFICATION**

# **Molecular Weight**

37.3 kDa (340aa) 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**

NPL, also known as N-acetylneuraminate lyase, is an enzyme that catalyzes the chemical reaction. (N-acetylneuraminate ->N-acetyl-D-mannosamine + pyruvate) This protein belongs to the family of lyases, specifically the oxo-acid-lyases, which cleave carbon-carbon bonds. It participates in amino sugars metabolism. Recombinant human NPL protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



# NKMAXBio We support you, we believe in your research

# Recombinant human NPL protein

Catalog Number: ATGP1028

# **Amino acid Sequence**

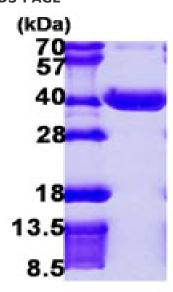
MGSSHHHHHH SSGLVPRGSH MAFPKKKLQG LVAATITPMT ENGEINFSVI GQYVDYLVKE QGVKNIFVNG TTGEGLSLSV SERRQVAEEW VTKGKDKLDQ VIIHVGALSL KESQELAQHA AEIGADGIAV IAPFFLKPWT KDILINFLKE VAAAAPALPF YYYHIPALTG VKIRAEELLD GILDKIPTFQ GLKFSDTDLL DFGQCVDQNR QQQFAFLFGV DEQLLSALVM GATGAVGSTY NYLGKKTNQM LEAFEQKDFS LALNYQFCIQ RFINFVVKLG FGVSQTKAIM TLVSGIPMGP PRLPLQKASR EFTDSAEAKL KSLDFLSFTD LKDGNLEAGS

#### **General References**

Schauer R. et al. (1982) Adv Carbohydr Chem Biochem. 40:131-234. COMB DG. et al. (1960) | Biol Chem. 235:2529-2537

## **DATA**

# **SDS-PAGE**



15% SDS-PAGE (3ug)

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

