

NPL, 1-320aa, Human, His tag, E.coli

Cat.NO.: TP03187

3th Edition

Synonyms:N-acetylneuraminate lyase, c112, C1orf13, DHGPS1, MGC149582, MGC61869, NPL1

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:37.3 kDa (340aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMAFPKKKLQGLVAATITPMTENGEINFSVIGQYVDYLVKEQGVKNIFVNGTTGEGLSLSVSERRQVAEEWVTGKDKLDQVIIHVGALSLKESQELAQHAAEIGADGIAVIAPFFLKPWTKDILINFLKEVAAAA
PALPFYYYHIPALTGVKIRAEELLDGILDKIPTFQGLKFSDDLLDFGQCVDQNRQQQFAFLFGVDEQLLSALVMGAT
GAVGSTYNYLGKKTNQMLEAFEQKDFSLALNYQFCIQRFINVFVVKLGFGVSQTKAIMTLVSGIPMGPPRLPLQKASR
EFTDSAEAKLKSLDFLSFTDLKDGNEAGS

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.