

## 32-2611: NPL Recombinant Protein

**Alternative Name :** N-acetylneuraminase, NALase, N-acetylneuraminase pyruvate-lyase, N-acetylneuraminic acid aldolase, Sialate lyase, Sialate-pyruvate lyase, Sialic acid aldolase, Sialic acid lyase, NPL, C1orf13, NAL, C112, NPL1.

### Description

Source : Escherichia Coli. NPL produced in E.Coli is a single, non-glycosylated polypeptide chain containing 340 amino acids (1-320 a.a.) and having a molecular mass of 37.3kDa. NPL is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. N-acetylneuraminase lyase (NPL) is an enzyme which catalyzes the chemical reaction (N-acetylneuraminase  $\rightarrow$  N-acetyl-D-mannosamine + pyruvate). NPL is a member of a family of lyases, specifically the oxo-acid-lyases, which cleave carbon-carbon bonds. NPL participates in amino sugars metabolism.

### Product Info

**Amount :** 20  $\mu$ g  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** NPL protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.  
**Storage condition :** NPL Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MAFPKKKLQG LVAATITPMT ENGEINFSVI GQYVDYLVKE QGVKNIFVNG TTGEGLSLSV SERRQVAEEW VTKGKDKLDQ VIIHVGALS LKESQELAQHA AEIGADGI AV IAPFFLKPWT KDILINFLKE VAAAAPALPF YYYHIPALTG VKIRAEELLD GILDKIPTFQ GLKFSDTDLL DFGQCVDQNR QQQFAFLFGV DEQLLSALVM GATGAVGSTY NYLGKKTNQ MLEAFEQKDFS LALNYQFCIQ RFINFVVKLG FGVSTKAIM TLVSGIPMGP PRLPLQKASR EFTDSAEAKL KSLDFLSFTD LKDG NLEAGS.

