

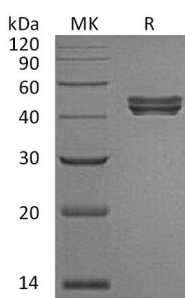
**Product Name: Recombinant Human Sialidase-1 (C-6His)**  
**Catalog #: PHH1207**



## Summary

<b>Name</b>	NEU-1/Sialidase-1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human N-acetyl-alpha-Neuraminidase 1 is produced by our Mammalian expression system and the target gene encoding Glu48-Leu415 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q99519
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	41.27 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 50% Glycerol, pH 7.4.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Sialidase-1; Acetylneuraminyl Hydrolase; G9 Sialidase; Lysosomal Sialidase; N-Acetyl-Alpha-Neuraminidase 1; NEU1; NANH
<b>Background</b>	Sialidase-1 belongs to the N-acetyl-a neuraminidase family. Sialidase-1 is expressed in many tissues; it is highly expressed in the pancreas, and weakly expressed in the brain. Sialidase-1 is a lysosomal enzyme, which cleaves terminal



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sialic acid residues from substrates such as glycoproteins and glycolipids. Deficiencies in the human enzyme Sialidase-1 leads to sialidosis, a rare lysosomal storage disease. Sialidase-1 has been shown to interact with Cathepsin A (protective protein),  $\beta$ -galactosidase and N-acetylgalactosamine-6-sulfate sulfatase in a multienzyme complex.

### **Note**

For Research Use Only , Not for Diagnostic Use.