

## Sialidase 1 Human Recombinant

<b>Item Number</b>	rAP-1411
<b>Synonyms</b>	Sialidase 1 (lysosomal sialidase), Acetylneuraminyl hydrolase, N-acetyl-alpha-neuraminidase 1, exo-alpha-sialidase, Lysosomal sialidase, G9 sialidase, NEU, NANH, SIAL1, EC 3.2.1.18.
<b>Description</b>	NEU1 Human Recombinant produced in E. coli is a single polypeptide chain containing 393 amino acids (48-415) and having a molecular mass of 42.9 kDa. NEU1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q99519
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHMENDFG LVQPLVTMEQ LLWVSGRQIG SVDTFRIPLI TATPRGTLA FAEARKMSSS DEGAKFIALR RSMDDGSTWS PTAFIVNDGD VPDGLNLGAV VSDVETGVVF LFYSLCAHKA GCQVASTMLV WSKDDGVSW S TPRNLSLDIG TEVFAPGPGS GIQKQREPRK GRLIVCGHGT LERDGVFCLL SDDHGASWRY GSGVSGIPYG QPKQENDFNP DECQPY- ELPD GSVVINARNQ NNYHCHCRIV LRSYDACDTL RPRDVTDFPE LVDPVVAAGA VVTSSGIVFF SNPAHPEFRV NLTLRWSFSN GTSWRKETVQ LWPGPSGYSS LATLEGSMDG EEQAPQLYVL YEKGRN- HYTE SISVAKISVY GTL
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. 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.
<b>Formulation and Purity</b>	The NEU1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol. Greater than 85% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**