

## 32-7736: Recombinant Human Sialidase-1/NEU-1 (C-6His)

**Gene :** NEU1  
**Gene ID :** 4758  
**Uniprot ID :** Q99519

### Description

Source: Human Cells.  
MW :41.27kD.

Recombinant Human Sialidase-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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** ENDFGLVQPLVTMEQLLWVSGRQIGSVDTFRILITATPRGTLFAFAEARKMSSSDEGAKFIALRRSMDQGSTW  
SPTAFIVNDGDVPDGLNLGAVVSDVETGVVFLFYSLCAHKAGCQVASTMLVWSKDDGVSWSWSTPRNLSLDIGTE  
VFAPGPGSGIQKQREPRKGRLLVCGHGTLERDGVFCLLSDDHGASWRYGSGVSGIPYGQPKQENDFNPDECQ  
PYELPDGSSVINARNQNNYHCHCRIVLRSYDACDTLRPRDVTDFPELVDPVVAAGAVVTSSGIVFFSNPAHPEF  
RVNLTLRWSFNGTSWRKETVQLWPGPSGYSSLATLEGSMGDGEEQAPQLVLYEKGRNHYTESISVAKISVYG  
TLVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.