32-2604: NEU1 Recombinant Protein

Alternative Name : 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.

Description

Source : E.coli. 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. Sialidase 1 (NEU1) is a lysosomal enzyme which cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. In the lysosome, the NEU1 enzyme is part of a heterotrimeric complex in cooperation with beta-galactosidase and cathepsin A. NEU1 gene mutations may lead to sialidosis, a lysosomal storage disease that can be the type 1 (cherry red -myoclonus syndrome or normosomatic type), which is late-onset, or the type 2 (the dysmorphic type), which takes place at an earlier age with increased acuteness.

Product Info

Amount :	20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The NEU1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMENDFG LVQPLVTMEQ LLWVSGRQIG SVDTFRIPLI TATPRGTLLA FAEARKMSSS DEGAKFIALR RSMDQGSTWS PTAFIVNDGD VPDGLNLGAV VSDVETGVVF LFYSLCAHKA GCQVASTMLV WSKDDGVSWS TPRNLSLDIG TEVFAPGPGS GIQKQREPRK GRLIVCGHGT LERDGVFCLL SDDHGASWRY GSGVSGIPYG QPKQENDFNP DECQPYELPD GSVVINARNQ NNYHCHCRIV LRSYDACDTL RPRDVTFDPE LVDPVVAAGA VVTSSGIVFF SNPAHPEFRV NLTLRWSFSN GTSWRKETVQ LWPGPSGYSS LATLEGSMDG EEQAPQLYVL YEKGRNHYTE SISVAKISVY GTL