

Recombinant Human NEU1 Protein

Catalog #	Source	Reactivity	Applications
CRP2001	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human NEU1 Protein is produced by our Mammalian expression system and the target gene encoding Glu48-Leu415 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	NEU1		
Alternative Names	NANH; Sialidase-1; Acetylneuraminyl hydrolase; G9 sialidase; Lysosomal sialidase; N-acetyl-alpha-neuraminidase 1		
Entrez Gene	4758 (Human)		
SwissProt	Q99519 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>ENDFGLVQPL VTMEQLLWVS GRQIGSVDTF RIPLITATPR GTLLAFAEAR KMSSSDEGAK</p> <p>FIALRRSMDQ GSTWSPTAFI VNDGDVPDGL NLGAVVSDVE TGVVFLFYSL CAHKAGCQVA</p> <p>STMLVWSKDD GVSWSPTPRNL SLDIGTEVFA PGPGSGIQKQ REPRKGR LIV CGHGT LERDG</p> <p>VFCLLSDDHG ASWRYGSGVS GIPYGQPKQE NDFNPDECQP YELPDG SVVI NARNQN NYHC</p> <p>HCRIVLRSYD AC DTLRPRDV TFDPELVDPV VAAGAVVTSS GIVFFSNPAH PEFRVNLTLR</p> <p>WFSNGT SWR KETVQLWPGP SGYSSLATLE GSMDGEEQAP QLYVLYEKGR NHYTESISVA</p> <p>KISVYGT LVD HHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		
Application key:	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference		
Species reactivity key:	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish		

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Product Data Sheet

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