

Recombinant Human NEU2

Cat. No. NEU2-29303TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NEU2 with an N terminal proprietary tag; Predicted MWt 35.42 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	89 amino acids
Description	This gene belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. Expression studies in COS7 cells confirmed that this gene encodes a functional sialidase. Its cytosolic localization was demonstrated by cell fractionation experiments.
Molecular Weight	35.420kDa inclusive of tags
Tissue specificity	Expressed in skeletal muscle, fetal liver and embryonic carcinoma cell line NT2D1.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids AYRKLHPIQRPIPSAFCFLSHDHGRTWARGHFVAQDTLECQVAEVETGEQRVVTLN
ARSHLRARVQAQSTNDGLDFQESQLVKKLVEPP

Sequence Similarities Belongs to the glycosyl hydrolase 33 family.Contains 2 BNR repeats.

GENE INFORMATION

Gene Name NEU2 sialidase 2 (cytosolic sialidase) [Homo sapiens]

Official Symbol NEU2

Synonyms NEU2; sialidase 2 (cytosolic sialidase); sialidase-2; N acetyl alpha neuraminidase 2; SIAL2;

Gene ID 4759

mRNA Refseq NM_005383

Protein Refseq NP_005374

MIM 605528

Uniprot ID Q9Y3R4

Chromosome Location 2q37

Pathway Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem; Sphingolipid metabolism, organism-specific biosystem;

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	Sphingolipid metabolism, conserved biosystem;
Function	catalytic activity; exo-alpha-(2->3)-sialidase activity; exo-alpha-(2->6)-sialidase activity;

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