NEU1 FISH Probe

Catalog # FA0162 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Product	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — NEU1

Entrez GeneID	4758
Gene Name	NEU1
Gene Alias	FLJ93471, NANH, NEU, SIAL1
Gene Description	sialidase 1 (lysosomal sialidase)

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Omim ID	256550 608272
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referred to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. [provided by RefSeq
Other Designations	G9 sialidase|N-acetyl-alpha-neuraminidase 1|OTTHUMP00000029419|acetylneuraminyl hydrolase|exo-alpha-sialidase|lysosomal sialidase|neuraminidase

Pathway

- Lysosome
- Other glycan degradation
- Sphingolipid metabolism

Disease

- Genetic Predisposition to Disease
- Glomerulonephritis
- Lupus Erythematosus

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