

## Product datasheet for **KN200386LP**

### Neuraminidase (NEU1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Neuraminidase
Locus ID:	4758
Components:	<b>KN200386G1</b> , Neuraminidase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200386G2</b> , Neuraminidase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200386LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<a href="#">NM_000434</a>
UniProt ID:	<a href="#">Q99519</a>
Synonyms:	NANH; NEU; SIAL1
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, Jul 2008]



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## Product images:

