



Recombinant Rat Sialidase-2 (Neu2)

Product Code	CSB-MP714503RA
Abbreviation	Neu2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q64627
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	METCPVLQKE TLFHTEVYAY RIPALLYLKK QKTLFAFAEK RASRTDEHAE LIVLRRGSYN GATNHVKWQP EEVVTQAQLE GHRSMNPCPL YDKQTKTLFL FFIAVPGRVS EQHQLQTRVN VTRLCRVST DYGMNWSPVQ DLTETTIGST HQDWATFAVG PGHCLQLRNR AGSLLVPAYA YRKLHPVHKP TPFAFCFISL DHGHTWELGN FVSENSLECQ VAEVGTGAHR VVYLNARFI GARVQAQSPN DGLDFQDNQV VSKLVEPPHG CHGSVVAFHS PTSKPDCLRH VAAATHPTDS RNRTNLGVYL NQTPLDPTAW SEPTLLATGT CAYSDLQIWG LGPDGSPQFG CLYESGNYDE IIFLMFTLKQ AFPTVHGAQ
Source	Mammalian cell
Target Names	Neu2
Protein Names	Recommended name: Sialidase-2 EC= 3.2.1.18 Alternative name(s): Cytosolic sialidase N-acetyl-alpha-neuraminidase 2
Expression Region	1-379
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.