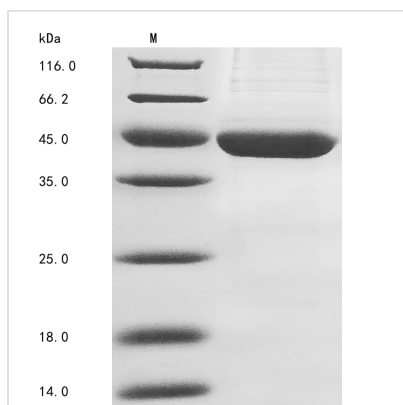




Recombinant Chinese hamster Sialidase-2 (NEU2)

Product Code	CSB-BP734101DXU
Abbreviation	Recombinant Cricetulus griseus EEF1A1 protein
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.	Q64393
Product Type	Recombinant Proteins
Immunogen Species	Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MATCPVLQKETLFQTGDYAYRIPALIYLSKQKTLAFAEKRLTKTDEHADLFVLR RGSYNADTHQVQWQAEVVTQAYLEGHRSMSPCPLYDKQTRTLFFFIIVRG QISEHHQLQTGVNVTRLCHITSTDHGKTWSAVQDLTDTTIGSTHQDWATFGVG PGHCLQLRNTAGSLLVPAYAYRKQPPHAPAPSAFCFLSHDHGSTWELGHFVS QNSLECQVAEVTGAERVVYLNARSLGARVQAQSPNSGLDFQDNQVVS VEPPKGCHGSVIAFPNPTSKADALDVWLLYTHPTDSRKRTNLGVYLNQKPLDP TTWSAPTLLATGICAYSDLQNMGHGPDGSPQFGCLYESNNYEEIVFLMFTLKQ AFPAVFGAQ
Research Area	Metabolism
Source	Baculovirus
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	1-379aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	45.8
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The gene responsible for the *Cricetulus griseus* NEU2 protein (1-379aa) is cloned into a plasmid vector to obtain recombinant plasmid, which is then transformed into baculovirus cells. baculovirus cells demonstrating successful uptake of the recombinant plasmid are selected based on their ability to endure a specific antibiotic. The baculovirus cells containing the recombinant plasmid are cultured under conditions promoting the expression of the gene of interest. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. Post-expression, affinity purification is employed to isolate and purify the recombinant *Cricetulus griseus* NEU2 protein from the cell lysate. The resulting recombinant protein is subjected to denaturing SDS-PAGE, allowing for an estimation of its purity, surpassing 90%.

Shelf Life

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