

## Product datasheet for **TP505501**

### Nans (NM\_053179) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse N-acetylneuraminic acid synthase (sialic acid synthase) (Nans), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205501 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPLELELCPGRWVGKHPCFIIAEIGQNHQGDIDVAKRMIRTAKECGADCAKFKSELEFKFNRKALERP  
YTSKHSWGKTYGEHKRHLFSDQYKELQSYAQEIGIFFTASGMDEMAVEFLHELNVFFKVGSGDTNNF  
PYLEKTAKKGRPMVISSGMQSM DTMKQVYQIVKPLNPNFCFLQCTSAYPLQPEDANLRVISEYQKLFDPDI  
PIGYSGHETGIAISVAVALGAKVLERHITLDKTKWGS DSHASLEPGELAE LVRVRLVERALGSPTKQL  
LPCEMACNEKLGKSVAKVKIPAGTTLTLDMLTVKVGEPKGYPPEDIFNL LAGKKVLTIEEDDTVMEESV  
ESHSKKKA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	40.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_444409</a>
Locus ID:	94181
UniProt ID:	<a href="#">Q99J77</a>



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RefSeq Size: 1904

Cytogenetics: 4 B1

RefSeq ORF: 1080

Synonyms: 4632418E04Rik; BB056474; Sas

Summary: Produces N-acetylneuraminate-9-phosphate (Neu5Ac-9-P) from N-acetylmannosamine 6-phosphate. Has no detectable activity towards N-acetylmannosamine or mannose 6-phosphate.[UniProtKB/Swiss-Prot Function]