

Recombinant Human NANS Protein

Catalog #	Source	Reactivity	Applications
CRP1988	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human NANS Protein is produced by our E. coli expression system and the target gene encoding Met1-Ser359 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM Tris, 100mM NaCl, pH 8.0.		
Gene Symbol	NANS		
Alternative Names	SAS; Sialic acid synthase; N-acetylneuraminate synthase; N-acetylneuraminate-9-phosphate synthase; N-acetylneuraminic acid phosphate synthase; N-acetylneuraminic acid synthase		
Entrez Gene	54187 (Human)		
SwissProt	Q9NR45 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>MGSSHHHHHH SGLVPRGSH MPLELELCPG RWVGGQHPCF IIAEIGQNHQ</p> <p>GDLDVAKRMI RMAKECGADC AKFQKSELEF KFNKALDRP YTSKHSWGKT YGEHKRHLEF</p> <p>SHDQYRELQR YAEVGIFFT ASGMDEMAVE FLHELNVPFF KVGSGDTNNF PYLEKTAKKG</p> <p>RPMVISSGMQ SMDTMKQVYQ IVKPLNPFC FLQCTSAYPL QPEDVNLRVI SEYQKLFDDI</p> <p>PIGYSGHETG IAISVAVAL GAKVLERHIT LDKTWKGS DH SASLEPGELA ELVRSVRLVE</p> <p>RALGSPTKQL LPCEMACNEK LGKSVVAKVK IPEGTILMD MLTVKVGEPK GYPEDIFNL</p> <p>VGKKVLVTV EDDTIMEELV DNHGKIKS</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Storage/Stability Store it at -20°C to -80°C for one year.

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