

Datasheet for ABIN7557189
NAT8L Protein (AA 1-299) (His tag)



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Overview

Quantity:	1 mg
Target:	NAT8L
Protein Characteristics:	AA 1-299
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAT8L protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nat8l Protein expressed in mammalian cells.
Sequence:	MHCGPPDMVC ETKIVATEDH EALPGAKKDA LLVAAGAMWP PLPAAPGPAA APPPAAGPQP HGGTGGAGPP EGRGVCIREF RAAEQEAARR IFYDGILERI PNTAFRGLRQ HPRTQLLYAL LAALCFVTR SLLLTCLVPA GLLALRYYYYS RKVILAYLEC ALHTDMADIE QYYMKPPGSC FWVAVLDGNV VGIVAARAHE EDNTVELLRM SVDSRFRGKS IAKALGRRVL EFAMLHNYS VVLGTTAVKV AAHKLYESLG FRHMGASDHY VLPGMTLSLA ERLFFQVRYH RYRLQLREE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	NAT8L
Alternative Name:	Nat8l (NAT8L Products)
Background:	N-acetylaspartate synthetase (NAA synthetase) (EC 2.3.1.17) (N-acetyltransferase 8-like protein) (Protein Shati),FUNCTION: Catalyzes the synthesis of N-acetylaspartate acid (NAA) from L-aspartate and acetyl-CoA (PubMed:19807691, PubMed:20385109, PubMed:20643647). Promotes dopamine uptake by regulating TNF-alpha expression (PubMed:19014384). Attenuates methamphetamine-induced inhibition of dopamine uptake (By similarity). {ECO:0000250 UniProtKB:Q8N9F0, ECO:0000269 PubMed:19014384, ECO:0000269 PubMed:19807691, ECO:0000269 PubMed:20385109, ECO:0000269 PubMed:20643647}.
Molecular Weight:	32.8 kDa
UniProt:	Q3UGX3

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
