

Product datasheet

Recombinant Human NST protein ab172827

Description

Product name	Recombinant Human NST protein	
Purity	<p>> 95 % SDS-PAGE.</p> <p>ab172827 is greater than 95%, as determined by SEC-HPLC and reducing SDS-PAGE. It is supplied as an 0.2 µM filtered solution.</p>	
Endotoxin level	< 1.000 Eu/µg	
Expression system	Escherichia coli	
Accession	Q9BR01	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre> MAESEAETPSTPGEFESKYFEFHGVRLPPFCRGKMEEIA NFPVRPSDVWI VTYPKSGTSLLLQEVVYLVSQGADPDEIGLMNIDEQLPVLEY PQPGLDIK ELTSPRLIKSHLPYRFLPSDLHNGDSKVYIMARNPKDLVVS YYQFHRSLR TMSYRGTFQEFCCRFRMNDKLGYSWFEHVQEFWEHRMD SNVFLKYEEDMH RDLVTMVEQLARFLGVSCDKAQLEALTEHCHQLVDQCC SAEALPVGRGRV GLWKDIFTVSMNEKFDLVYKQKMGKCDLTFDFYL </pre>	
Predicted molecular weight	33 kDa	
Amino acids	1 to 284	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab172827** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC
	SDS-PAGE
Form	Liquid

Additional notes Previously labelled as SULT4A1.

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
pH: 7.40
Constituent: 100% PBS

General Info

Function Atypical sulfotransferase family member with very low affinity for 3'-phospho-5'-adenylyl sulfate (PAPS) and very low catalytic activity towards L-triiodothyronine, thyroxine, estrone, p-nitrophenol, 2-naphthylamine, and 2-beta-naphthol. May have a role in the metabolism of drugs and neurotransmitters in the CNS.

Tissue specificity Highly expressed in the cerebral cortex and frontal lobe, slightly less in the cerebellum, occipital and temporal lobes, relatively low in the medulla and putamen, and lowest in the spinal cord. No expression detected in the pancreas (PubMed:10698717). Highly expressed in fetal brain and occipital lobe, slightly less in the whole brain, frontal lobe, hippocampus, and lung, very low expression in cerebellum, medulla oblongata, temporal lobe, testis, kidney and appendix (PubMed:12039030).

Sequence similarities Belongs to the sulfotransferase 1 family.

Cellular localization Cytoplasm.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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