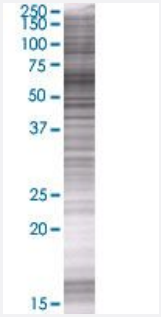
SYN3 293T Cell Transient Overexpression Lysate(Denatured)

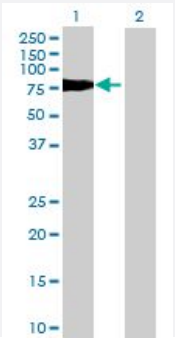
Catalog # H00008224-T01 Size 100 uL

Applications



SDS-PAGE Gel

SYN3 transfected lysate.



Western Blot

Lane 1: SYN3 transfected lysate (63.3 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SYN3 full-length
Host	Human
Theoretical MW (kDa)	63.3
Interspecies Antigen Sequence	Mouse (92); Rat (92)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-SYN3 antibody (H00008224-B01) by Western Blots. SDS-PAGE Gel SYN3 transfected lysate. Western Blot Lane 1: SYN3 transfected lysate (63.3 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — SYN3

Entrez GeneID	8224
GeneBank Accession#	BC075065
Protein Accession#	AAH75065
Gene Name	SYN3
Gene Alias	-
Gene Description	synapsin III
Omim ID	602705
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. The protein encoded by this gene shares the synapsin family domain model, with domains A, C, and E exhibiting the highest degree of conservation. The protein contains a unique domain J, located between domains C and E. Based on this gene's localization to 22q12.3, a possible schizophrenia susceptibility locus, and the established neurobiological roles of the synapsins, this family member may represent a candidate gene for schizophrenia. The TIMP3 gene is located within an intron of this gene and is transcribed in the opposite direction. Alternative splicing of this gene results in multiple splice variants that encode different isoforms. [provided by RefSeq

Other Designations	OTTHUMP00000028987|cN28H9.2 (synapsin III)

Disease

- Attention Deficit Disorder with Hyperactivity
- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Kidney Failure
- Multiple Sclerosis
- Narcolepsy
- Psychotic Disorders
- Schizophrenia
- Tobacco Use Disorder