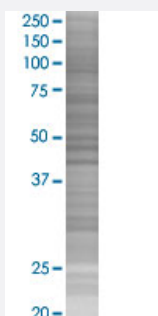


CAST 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000831-T03

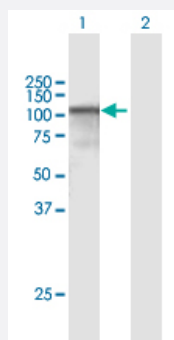
Size 100 uL

Applications



SDS-PAGE Gel

CAST transfected lysate.



Western Blot

Lane 1: CAST transfected lysate (74.10 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CAST full-length

Host Human

Theoretical MW (kDa) 74.1

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CAST antibody ([H00000831-D01P](#)) by Western Blots.

SDS-PAGE Gel

CAST transfected lysate.

Western Blot

Lane 1: CAST transfected lysate (74.10 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 — CAST

Entrez GeneID	831
GeneBank Accession#	NM_173060.2
Protein Accession#	NP_775083.1
Gene Name	CAST
Gene Alias	BS-17, MGC9402
Gene Description	calpastatin
Omim ID	114090
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is an endogenous calpain (calcium-dependent cysteine protease) inhibitor. It consists of an N-terminal domain L and four repetitive calpain-inhibition domains (domains 1-4), and it is involved in the proteolysis of amyloid precursor protein. The calpain/calpastatin system is involved in numerous membrane fusion events, such as neural vesicle exocytosis and platelet and red-cell aggregation. The encoded protein is also thought to affect the expression levels of genes encoding structural or regulatory proteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of only some have been determined. [provided by RefSeq]
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Other Designations	OTTHUMP00000158519 OTTHUMP00000158520 calpain inhibitor heart-type calpastatin sperm BS-17 component
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Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Hypertension](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)