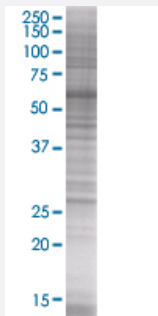


CAPNS1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000826-T01

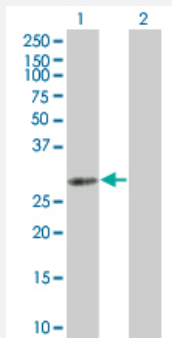
Size 100 uL

Applications



SDS-PAGE Gel

CAPNS1 transfected lysate



Western Blot

Lane 1: CAPNS1 transfected lysate (29.48 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CAPNS1 full-length
Host	Human
Theoretical MW (kDa)	29.48
Interspecies Antigen Sequence	Mouse (91)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CAPNS1 antibody ([H00000826-B01](#)) by Western Blots.
SDS-PAGE Gel
CAPNS1 transfected lysate
Western Blot
Lane 1: CAPNS1 transfected lysate (29.48 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 — CAPNS1

Entrez GeneID[826](#)**GeneBank Accession#**[BC007779](#)**Protein Accession#**[AAH07779](#)**Gene Name**

CAPNS1

Gene Alias

30K, CALPAIN4, CANP, CANPS, CAPN4, CDPS

Gene Description

calpain, small subunit 1

Omim ID[114170](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. This gene encodes a small subunit common to both calpain I and II and is associated with myotonic dystrophy. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations

calcium-activated neutral proteinase|calcium-dependent protease, small subunit|calpain 4, small subunit (30K)|calpain, small polypeptide

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)