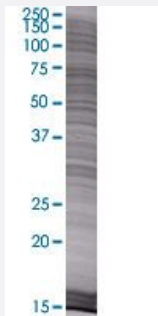


CAPN10 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00011132-T01

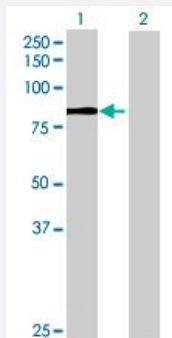
Size 100 uL

Applications



SDS-PAGE Gel

CAPN10 transfected lysate.



Western Blot

Lane 1: CAPN10 transfected lysate (74.03 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CAPN10 full-length
Host	Human
Theoretical MW (kDa)	74.03
Interspecies Antigen Sequence	Mouse (81); Rat (81)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CAPN10 antibody ([H00011132-B01](#)) by Western Blots.
 SDS-PAGE Gel
 CAPN10 transfected lysate.
 Western Blot
 Lane 1: CAPN10 transfected lysate (74.03 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 — CAPN10

Entrez GeneID

[11132](#)

GeneBank Accession#

[NM_023083.2](#)

Protein Accession#

[NP_075571.1](#)

Gene Name

CAPN10

Gene Alias

-

Gene Description

calpain 10

Omim ID

[601283 605286](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large catalytic subunit has four domains: domain I, the N-terminal regulatory domain that is processed upon calpain activation; domain II, the protease domain; domain III, a linker domain of unknown function; and domain IV, the calmodulin-like calcium-binding domain. This gene encodes a large subunit. It is an atypical calpain in that it lacks the calmodulin-like calcium-binding domain and instead has a divergent C-terminal domain. It is similar in organization to calpains 5 and 6. This gene is associated with type 2 or non-insulin-dependent diabetes mellitus (NIDDM) and located within the NIDDM1 region. Multiple alternative transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000164509|calcium-activated neutral protease

Disease

- [Adrenal hyperplasia](#)
- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cystic fibrosis](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hirsutism](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)

- [Hyperglycemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prediabetic State](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Taste](#)