

Human Calpain, Small Subunit 1 (CAPNS1) ELISA Kit | CAPNS1 elisa kit

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CATALOG #
AAA64442

REACTIVITY
Human

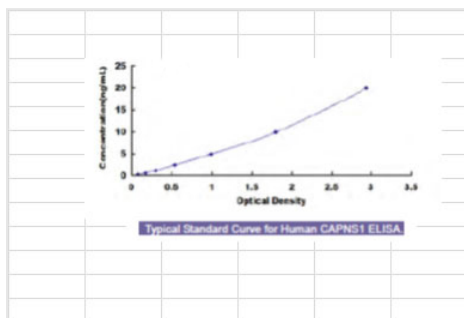
PRODUCT SYNONYMS

Calpain; Small Subunit 1 (CAPNS1); Human Calpain; Small Subunit 1 (CAPNS1) ELISA Kit; 78 kDa glucose-regulated protein; BiP; Endoplasmic reticulum luminal Ca(2+)-binding protein grp78; GRP78; GRP-78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding; CAPNS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CAPNS1. No significant cross-reactivity or interference between CAPNS1 and analogues was observed.
Sequence Length	268
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.133ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CAPNS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CAPNS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPNS1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CAPNS1 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAPNS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAPNS1. Next, Avidin
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51599151
NCBI GeneID	826
NCBI Accession #	NP_001003962.1
NCBI GenBank Nucleotide #	NM_001003962.2
UniProt Accession #	P04632; Q8WTX3; Q96EW0; A8K0P1
Molecular Weight	28,316 Da
NCBI Official Full Name	calpain small subunit 1 isoform 1
NCBI Official Synonym Full Names	calpain small subunit 1
NCBI Official Symbol	CAPNS1
NCBI Official Synonym Symbols	CANP; CDPS; CSS1; CANPS; CAPN4; CALPAIN4
NCBI Protein Information	calpain small subunit 1
UniProt Protein Name	Calpain small subunit 1
UniProt Gene Name	CAPNS1
UniProt Synonym Gene Names	CAPN4; CAPNS; CSS1; CANP small subunit; CDPS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/calpain-small-subunit-1-capns1/64442>