Centrin 2 (CETN2) ELISA Kit for Cavy

PRODUCT OVERVIEW

Product Name	Centrin 2 (CETN2), ELISA Kit
Full Product Name	Cavy Centrin 2 (CETN2) ELISA Kit
Product Gene Name	CETN2 elisa kit
Species Reactivity	Cavy
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	19,156 Da
Related Product Information for CETN2 elisa kit	MBS9355265 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Centrin 2 (CETN2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CETN2. The ELISA analytical biochemical technique of the MBS9355265 kit is based on CETN2 antibody-CETN2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CETN2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CETN2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CETN2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CETN2. It may not necessarily be applicable to this product.

NCBI GI #	79326379
NCBI GeneID	829855
NCBI Accession #	NP_001031798.1
UniProt Secondary Accession #	Q8LCE6
UniProt Related Accession #	O23184
GenBank Nucleotide #	NM_001036721.1
NCBI Official Full Name	centrin 2
NCBI Official Symbol	CEN2
NCBI Official Synonym Symbols	AP22.11; AP22_11; CEN2; centrin 2
UniProt Protein Name	Calcium-binding protein CML19
UniProt Synonym Protein Names	Calmodulin-like protein 19
Protein Family	Centrin
UniProt Gene Name	CML19
UniProt Synonym Gene Names	AtCEN2
UniProt Entry Name	CML19_ARATH
NCBI Protein Information	centrin 2

NCBI Summary for CETN2	Encodes a member of the Centrin family. Mutants are hypersensitive to UV and prone to UV induced DNA damage. Based on sequence similarity and mutant phenotype CEN2 is thought to be involved in nucelotide excision repair/DNA repair.
UniProt Comments for CETN2	Potential calcium sensor that binds calcium in vitro (PubMed:14688294). Modulates homologous recombination and nucleotide excision repair (NER) (PubMed:15155891). Involved in the early response to UV irradiation (PubMed:16786311).
Research Articles on CETN2	**1.** RAD4 interacts with the distal EF-hand Ca(2+) binding domain of CEN2 and this interaction is required for efficient nucleotide excision repair. [CEN2]
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