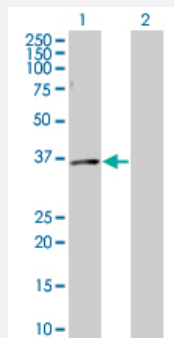


CA7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000766-T01

Size 100 uL

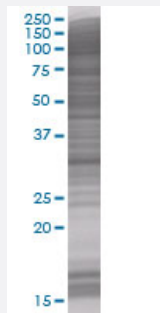
Applications



Western Blot

Lane 1: CA7 transfected lysate (29.04 kDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

CA7 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CA7 full-length
Host	Human
Theoretical MW (kDa)	29.15
Interspecies Antigen Sequence	Mouse (95); Rat (95)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CA7 antibody ([H00000766-B01](#)) by Western Blots.

Western Blot

Lane 1: CA7 transfected lysate (29.04 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

CA7 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 — CA7

Entrez GeneID[766](#)**GeneBank Accession#**[BC033865](#)**Protein Accession#**[AAH33865](#)**Gene Name**

CA7

Gene Alias

CAVII

Gene Description

carbonic anhydrase VII

Omim ID[114770](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Carbonic anhydrases are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. The cytosolic protein encoded by this gene is predominantly expressed in the salivary glands. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

carbonic dehydratase

Pathway

- [Nitrogen metabolism](#)