

Carbonic Anhydrase IX (CA9) Active Protein | CA9 active protein

Active Carbonic Anhydrase IX (CA9)

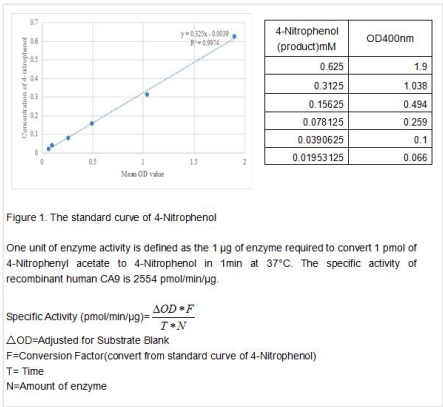
CATALOG # AAA153125	HOST 293F Cell	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

Carbonic Anhydrase IX (CA9); Active Carbonic Anhydrase IX (CA9); Carbonic Anhydrase IX; CA9 active protein (eukaryotic; 293F Cell); Human; CA-IX; CAIX; MN; pMW1; P54/58N; Carbonic Dehydratase; Renal cell carcinoma-associated antigen G250; RCC-Associated Protein G250; Carbonate dehydratase IX; CA9 active protein

PRODUCT SPECIFICATIONS

Host	293F Cell
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Pro59~Asp414
Applicable Applications for CA9 active protein	Activity Assay, Cell Culture
Expression System	Eukaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	4.2
Research Area	Enzyme & Kinase
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

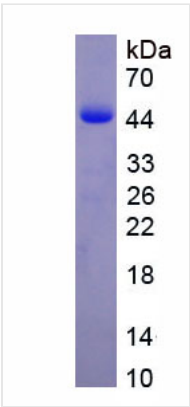


Bioactivity

Carbonic Anhydrase IX (CA9) also known as membrane antigen MN and renal cell carcinoma (RCC) associated antigen G250, is a transmembrane enzyme expressed primarily in carcinoma cells. It is one of the best markers for hypoxia and for RCC. rhCA9 correspond

SDS-PAGE

Figure. SDS-PAGE



ADDITIONAL INFORMATION

Product Categories/Family for CA9 active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119578763
NCBI GeneID	768
UniProt Accession #	Q16790; Q5T4R1
Molecular Weight	49,698 Da
NCBI Official Full Name	carbonic anhydrase IX
NCBI Official Synonym Full Names	carbonic anhydrase 9
NCBI Official Symbol	CA9
NCBI Official Synonym Symbols	MN; CAIX
NCBI Protein Information	carbonic anhydrase 9
UniProt Protein Name	Carbonic anhydrase 9
UniProt Gene Name	CA9
UniProt Synonym Gene Names	G250; MN; CA-IX; CAIX; RCC-associated antigen G250

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.