

Product datasheet for **TP728012**

Carbonic Anhydrase IX (CA9) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human Carbonic Anhydrase 9 (C-Avi-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln38-Asp414
Tag:	C-Avi-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Biotinylated Recombinant Human Carbonic Anhydrase 9 is produced by our Mammalian expression system and the target gene encoding Gln38-Asp414 is expressed with a 6His, Avi tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	768
UniProt ID:	Q16790
Synonyms:	CA9; CA-IX; Carbonic Anhydrase IX; Carbonate dehydratase IX; G250; MN; P54/58N; RCC; RCC-associated protein G250
Summary:	Carbonic anhydrases IX (CA IX), also known as membrane antigen MN or CA9, is a member of the carbonic anhydrase (CA) family and may be involved in cell proliferation and cellular transformation. CAs are zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide ($\text{H}_2\text{O} + \text{CO}_2 = \text{H}^+ + \text{HCO}_3^-$) and thus participate in a variety of biological and physical processes. CA9 is a transmembrane enzyme expressed primarily in carcinoma cells. It is one of the best markers for hypoxia and for RCC. Appears to be a novel specific biomarker for a cervical neoplasia.
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Nitrogen metabolism


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