

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.
Stability:	12 months from date of despatch
Locus ID:	768
UniProt ID:	Q16790
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 ($H_2O + CO_2 = H^+ + HCO_3^-$) 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.



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