

## Carbonic Anhydrase 7 Protein, Human (His)

<b>Cat. No.:</b>	HY-P7722
<b>Synonyms:</b>	rHuCarbonic Anhydrase 7, His; Carbonic Anhydrase 7; Carbonate Dehydratase VII; Carbonic Anhydrase VII; CA7
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P43166 (M1-A264)
<b>Gene ID:</b>	766
<b>Molecular Weight:</b>	Approximately 31.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> MTGHHGWGYG   QDDGPSHWHK   LYPIAQGDRQ   SPINIISSQA VYSPSLQPLE    LSYEACMSLS   ITNNGHSVQV   DFNDSDDRTV VTGGPLEGPY    RLKQFHFHWG   KKHDVGSEHT   VDGKSFPSL HLVHWNAAKKY   STFGEAASAP   DGLAVVGVFL   ETGDEHPSMN RLTDALYMVR    FKGTKAQFSC   FNPKCLLPAS   RHYWTYPGSL TTPPLSESVT    WIVLREPICI   SERQMGKFRS   LLFTSEDDER IHMVNNFRPP    QPLKGRVVKAA  SFRAHHHHHH           </pre>
<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	N/A
<b>Storage &amp; Stability</b>	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Shipping with dry ice.

### DESCRIPTION

<b>Background</b>	hCA VII has also been reported to be involved in the initial postnatal phases of brain development, as well as in the generation of neuronal excitation and febrile seizures <sup>[1]</sup> .
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## REFERENCES

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[1]. Simona M.Monti, et al, et al.Chapter 9 - Carbonic Anhydrase VII. Carbonic Anhydrases as Biocatalysts. From Theory to Medical and Industrial Applications, 2015, Pages 151-168

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA