

## 32-8214: Recombinant Human Carbonic Anhydrase 14/CA14 (N-6His)(Discontinued)

**Gene :** CA14  
**Gene ID :** 23632  
**Uniprot ID :** Q9ULX7

### Description

Source: E. coli.  
MW :32.8kD.

Recombinant Human Carbonic Anhydrase 14 is produced by our E.coli expression system and the target gene encoding Gly19-Met290 is expressed with a 6His tag at the N-terminus. Carbonic Anhydrase 14 (CA14) belongs to the Alpha-Carbonic Anhydrase family. It is highly expressed in all parts of the central nervous system and lowly expressed in adult liver, heart, small intestine, colon, kidney, urinary bladder, and skeletal muscle. CA14 along with other Carbonic Anhydrases (CAs) 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. CA14 is predicted to be a type I membrane protein and catalyzes the reversible hydration of carbon dioxide.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 10% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MNHKVHHHHHMGQHWTYEGPHGQDHPASYPECGNNAQSPIDIQTDSVTFDPDLPALQPHGYDQPGTEP  
LDLHNNGHTVQLSLPSTLYLGGGLPRKYVAAQLHLHWGQKGSPGGSEHQINSEATFAELHIVHYDSYDSLSE  
AAERPQGLAVLGILIEVGETKNIAYEHILSHLHEVRHKDQKTSVPPFNLRELLPKQLGQYFRYNGSLTTPCYQSV  
LWTVFYRRSQISMEQLEKLQGTLFSTEEPSKLLVQNYRALQPLNQRMVFAFIQAGSSYTTGEMVDLQSR

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.