



Recombinant Protein Technical Manual

Recombinant Human CA11 Protein (His Tag)

RPES4351

Product Data:

Product SKU: RPES4351

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O75493

Protein Information:

Molecular Mass: 35.1 kDa

AP Molecular Mass: 38 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Carbonic Anhydrase-Related Protein 11; CA-RP XI; CA-XI; CARP XI; Carbonic Anhydrase-Related Protein 2; CA-RP II; CARP-2; CA11; CARP2

Immunogen Information:

Sequence: His24-Arg328

Background:

Carbonic Anhydrase-Related Protein 11 (CA11) is a secreted protein member of the α -carbonic anhydrase family. Carbonic Anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They 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. CA11 is expressed abundantly in the brain with moderate expression also present in spinal cord and thyroid. CA11 may play a general role in the central nervous system.