Active Recombinant Human CA5A protein, His-tagged

Cat. No. CA5A-1142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CA5A protein(NP_001730.1) (Ala 40-Ser 305) was expressed in E. coli, fused with an Met at N-terminus and a polyhistide tag at the C-terminus.
Species	Human
Source	E. coli
ProteinLength	40-305 aa
Form	Lyophilized from sterile 50mM NaAc, 50mM NaCl, 0.05% Brij 35, pH 5.0.
Bio-activity	Measured by its esterase activity. The specific activity is >500 pmoles/min/μg.
Molecular Mass	The recombinant human CA5A consisting of 277 amino acids and has a calculated molecular mass of 31.6 kDa. It migrates as an approximately 33 kDa band in SDS-PAGE under reducing conditions.
Purity	> 96 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

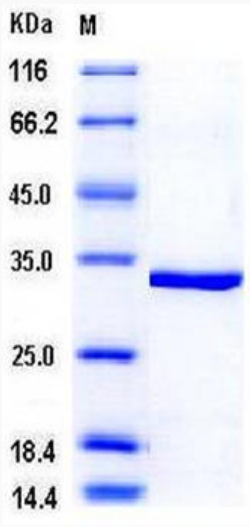
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CA5A carbonic anhydrase VA, mitochondrial [Homo sapiens]
Official Symbol	CA5A
Synonyms	CA5A; carbonic anhydrase VA, mitochondrial; CA5; carbonic anhydrase 5A, mitochondrial; CAV; CAVA; CA-VA; carbonic dehydratase; carbonate dehydratase VA; carbonic anhydrase V, mitochondrial;
Gene ID	763
mRNA Refseq	NM_001739
Protein Refseq	NP_001730
MIM	114761
UniProt ID	P35218

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA