Recombinant Full Length Human CA2 Protein, C-Flag-tagged

Cat. No. CA2-2060HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is one of several isozymes of carbonic anhydrase, which catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. Two transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	29.1 kDa
AA Sequence	MSHHWGYGKHNGPEHWHKDFPIAKGERQSPVDIDTHTAKYDPSLKPLSVSYDQAT SLRILNNGHAFNVEF DDSQDKAVLKGGPLDGTYRLIQFHFHWGSLDGQGSEHTVD KKKYAAELHLVHWNTKYGDFGKAVQQPDGL AVLGIFLKVGSAKPGLQKVVDVLDSI KTKGKSADFTNFAARGLLPESLDYWTYPGSLTTPPLLECVTWIV LKEPISVSSEQVL KFRKLNFNGEGEPEELMVDNWRPAQPLKNRQIKASFK TRTRPLEQKLISEEDLAAN DILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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

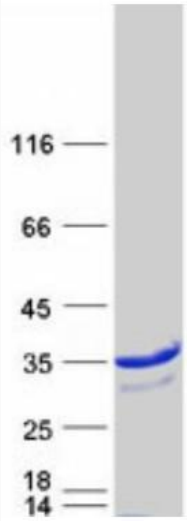
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Nitrogen metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	CA2 carbonic anhydrase 2 [Homo sapiens (human)]
Official Symbol	CA2
Synonyms	CAC; CAII; Car2; CA-II; HEL-76; HEL-S-282
Gene ID	760
mRNA Refseq	NM_000067.3
Protein Refseq	NP_000058.1
MIM	611492

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UniProt ID	P00918



Coomassie blue staining of purified CA2 protein.

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