

Human CA12 Recombinant Protein



RPPB1465

Product Information Protein Information

Product SKU:

RPPB1465

Accession:

O43570

Host:

Sf9, Baculovirus cells.

Protein description:

CA12 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 283 amino acids (25-301a.a.) and having a molecular mass of 31.94kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).CA12 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Carbonic anhydrase 12, Carbonate dehydratase XII, Carbonic anhydrase XII, CA-XII, Tumor antigen HOM-RCC-3.1.3, CA12, Carbonic Anhydrase XII, Carbonic anhydrase 12 isoform 1, CAXII, HsT18816.

Formulation:

CA12 protein solution (0.5mg/ml) containing Phosphate Buffer Saline (pH7.4) and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

APVNGSKWTY FGPDGENSWS KKYPSCGGLL QSPIDLHSDI LQYDASLTPL EFQGYNLSAN KQFLTNNNGH
SVKLNLPSDM HIQGLQSRYS ATQLHLHWGN PNDPHGSEHT VSGQHFAAEL HIVHYNSDLY PDASTASNKS
EGLAVLAVLI EMGSFNPSYD KIFSHLQHVK YKGQEA FVPG FNIEELLPER TAEYRYRGS LTTPCNPTV
LWTVFRNPVQ ISQEQLLAL E TALYCTHMDD PSPREMINNF RQVQKFDERL VYTSFSQVQV CTAAGLSHHH
HHH.

Biological Activity:

Specific activity is > 300 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of 4-nitrophenyl acetate to 4-nitrophenol per minute at pH 7.5 at 37C.