

32-2204: CA14 Recombinant Protein

Alternative Name : Carbonic anhydrase 14, Carbonate dehydratase XIV, Carbonic anhydrase XIV, CA-XIV, CA14, CAXiV.

Description

Source : Escherichia Coli. CA14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 298 amino acids (16-290 a.a.) and having a molecular mass of 33.2kDa. CA14 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CA14 is a part of the Carbonic anhydrases family. Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes which catalyze the reversible hydration of carbon dioxide. They present wide variety in tissue distribution and in their subcellular localization. CA14 is a type I membrane protein which shares highest sequence similarity with the other transmembrane CA isoform, CA XII. Nevertheless, they have different patterns of tissue-specific expression and therefore take different physiologic parts.

Product Info

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| Amount : | 20 µg |
| Purification : | Greater than 85.0% as determined by SDS-PAGE. |
| Content : | CA14 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. |
| Storage condition : | NPL Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles. |
| Amino Acid : | MGSSHHHHHH SSGLVPRGSH MGSADGGQHW TYEGPHGQDH WPASYPECGN NAQSPIDIQT DSVTFDPDLP ALQPHGYDQP GTEPLDLHNN GHTVQLSLPS TLYLGGLPRK YVAAQLHLHW GQKGSPGGSE HQINSEATFA ELHIVHYDSD SYDSLSEAAE RPQGLAVLGI LIEVGETKNI AYEHLSHLH EVRHKDQKTS VPPFNLRELL PKQLGQYFRY NGSLTTPPCY QSVLWTVFYR RSQISMEQLE KLQGTLFSTE EEPSKLLVQN YRALQLNQR MVFASFIQAG SSYTTGEM. |

