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32-2204: CA14 Recombinant Protein

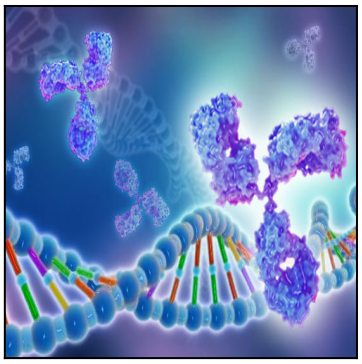
Alternative Name : Carbonic anhydrase 14,Carbonate dehydratase XIV,Carbonic anhydrase XIV,CA-XIV,CA14,CAXiV.

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

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 AYEHILSHLH EVRHKDQKTS VPPFNLRELL PKQLGQYFRY NGSLTTPPCY QSVLWTVFYR RSQISMEQLE KLQGTLFSTE EEPSKLLVQN YRALQPLNQR MVFASFIQAG SSYTTGEM.



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