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32-2199: CA8 Recombinant Protein

Alternative Name : Carbonic anhydrase VIII,CALS,CARP,CA-VIII,CAMRQ3,CA-related protein,carbonate dehydratase,carbonic anhydrase-like sequence,carbonic anhydrase-related protein.

Description

Source : E.coli. CA8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 314 amino acids (1-290) and having a molecular mass of 35.5kDa.CA8 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CA8 was first called CA-related protein since there is a sequence similarity to other identified carbonic anhydrase genes. Still, this protein has no carbonic anhydrase activity - the reversible hydration of carbon dioxide. CA8 still holds a carbonic anhydrase designation due to obvious sequence similarity to other members of the carbonic anhydrase gene family. Mutations in CA8 result in cerebellar ataxia mental retardation and dysequilibrium syndrome type 3 (CMARQ3).

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The CA8 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.
Storage condition :	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 :	MGSSHHHHHH SSGLVPRGSH MGSHMADLSF IEDTVAFPEK EEDEEEEEEG VEWGYEEGVE WGLVFPDANG EYQSPINLNS REARYDPSLL DVRLSPNYVV CRDCEVTNDG HTIQVILKSK SVLSGGPLPQ GHEFELYEVR FHWGRENQRG SEHTVNFKAF PMELHLIHWN STLFGSIDEA VGKPHGIAII ALFVQIGKEH VGLKAVTEIL QDIQYKGKSK TIPCFNPNTL LPDPLLRDYW VYEGSLTIPP CSEGVTWILF RYPLTISQLQ IEEFRRLRTH VKGAELVEGC DGILGDNFRP TQPLSDRVIR AAFQ

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