

## 32-2103: ACADM Recombinant Protein

**Alternative Name :** ACADM,ACAD1,CAD,MCADH,MCAD,EC=1.3.99.3,Medium-chain specific acyl-CoA dehydrogenase,mitochondrial,FLJ18227,FLJ93013,FLJ99884.

### Description

Source : Escherichia Coli. ACADM Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 417 amino acids (26-421 a.a.) and having a molecular mass of 45.9 kDa. The ACADM is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. ACADM enzyme is essential for the degradation a certain group of fats called medium-chain fatty acids. ACADM is essential for converting specific fatty acids to energy, mainly during fasting periods. ACADM functions in mitochondria, the energy-producing centers within cells. ACADM is localized in the mitochondria of numerous tissue types, predominantly the liver.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The ACADM (0.5mg/ml) protein solution containing 20mM Tris-HCl pH-7.5, 0.1M NaCl & 20% glycerol.  
**Storage condition :** ACADM Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MKANRQREPG LGFSFEFTEQ QKEFQATARK FAREEIIIPVA AEYDKTGEYP VPLIRRAWEL GLMNTHIPEN CGGLGLGTFD ACLISEELAY GCTGVQTAIE GNSLGQMPII IAGNDQQKKK YLGRMTEEPL MCAYCVTEPG AGSDVAGIKT KAEKKGDEYI INGQKMWITN GGKANWYFL ARSDPDPKAP ANKAFTGFIV EADTPGIQIG RKELNMGQRC SDTRGIVFED VKVPKENVLI GDGAGFKVAM GAFDKTRPVV AAGAVGLAQR ALDEATKYAL ERKTFGKLLV EHQAISFMLA EMAMKVELAR MSYQRAAWEV DSGRRNTYYA SIAKAFAGDI ANQLATDAVQ ILGGNGFNTE YPVEKLMRDA KIYQIYEGTS QIQLIVARE HIDKYKN.

