

Adipose Differentiation-Related Protein Human Recombinant

Item Number	rAP-4372
Synonyms	Adipophilin, Adipose differentiation-related protein, ADRP, ADFP, MGC10598.
Description	ADFP Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 444 amino acids and having a molecular mass of 49 kDa. The protein contains an extra 8 amino acid His tag at N-terminus. The ADFP amino acid sequence is identical to UniProtKB/Swiss-Prot entry Q99541
Uniprot Accession Number	Q99541
Amino Acid Sequence	MKHHHHHHAS VAVDPQPSVV TRVVNLPLVS STYDLMSSAY LSTKDQYPYL KSVCEMAENG VKTITSVAMT SALPIIQKLE PQIAVANTYA CKGLDRIEER LPILNQ PSTQ IVANAKGAVT GAKDAVTTTV TGAKDSVAST ITGVMDKTKG AVTGSVEKTK SVVSGSINTV LGSRRMMQLVS SGVENALTKS ELLVEQYLPL TEEELEKEAK KVEGFDLVQK PSYYVRLGSL STKLHSRAYQ QALSRVKEAK QKSQQTISQL HSTVHLIEFA RKNVYSANQK IQDAQDKLYL SWVEWKRSIG YDDTDESHCA EHIESRTLAI ARNLTQQLQT TCHTLLSNIQ GVPQNIQDQA KHMGMVAGDI YSVFRNAASF KEVSDSLLTS
Source	Escherichia Coli.
Physical Appearance and Stability	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	Human ADFP was lyophilized from 0.5mg/ml solution containing 20mM Tris pH-7.5, and 20mM NaCl. Greater than 95% as determined by SDS PAGE.
Application	
Solubility	Add deionized water to prepare a working stock solution of approximately 0.5mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**