

Recombinant Human ADD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADD1-4714H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADD1 MS Standard C13 and N15-labeled recombinant protein (NP_001110) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Adducins are a family of cytoskeletal proteins encoded by three genes (alpha, beta, and gamma). Adducin acts as a heterodimer of the related alpha, beta, or gamma subunits. The protein encoded by this gene represents the alpha subunit. Alpha- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Adducin binds with high affinity to Ca(2+)/calmodulin and is a substrate for protein kinases A and C.
Molecular Mass	80.8 kDa
AA Sequence	MNGDSRAAVVTSPPTTAPHKERYFDRVDENNPEYLRERNMAPDLRQDFNMMEQ KKRVSMILQSPAFCEELESMIQEQFKKGKNPTGLLALQQIADFMTTNVNPVYPAAPQ GGMAALNMSLGMVTPVNDLRGSDSIAYDKGEKLLRCKLAAFYRLADLFGWSQLIYN HITTRVNSEQEHFLIVPFGLLYSEVTASSLVKINLQGDIVDRGSTNLGVNQAGFTLHS AIYAARPDVKCVVHIHTPAGAAVSAMKCGLLPISPEALSLGEVAYHDYHGILVDEEEK VLIQKNLGPCKSVLILRNHGLVSVGESVEEAFYYIHNLVVACEIQVRTLASAGGPDNL VLLNPEKYKAKSRSPGSPVGEGTGSPPKWQIGEQEFEALMRMLDNLGYRTGYR

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YPALREKSKKYSDVEVPASVTGYSFASDGDSGTCSPLRHSFQKQKQREKTRWLNSG
 RGDEASEEGQNGSSPKSKTKWTKEDGHRTSTSAVPNLFVPLNTNPKEVQEMRNKI
 REQNLQDIKTAGPQSQVLCGVVMDRSLVQGELVTASKAIIKEYQPHVIVSTTGPNP
 FTTLTDRLEEYRREVERKQKGSEENLDEAREQKEKSPDQPAVPHPPPSTPIKLEE
 DLVPEPTTGDDSDAATFKPTLPDLSPDEPSEALGFPMLEKEEEEHRPPSPTEAPTEA
 SPEPAPDPAPVAEEAAPSAAVEEGAAADPGSDGSPGKSPSKKKKKFRTPSFLKSSKK
 KSDSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ADD1 adducin 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ADD1](#)

Synonyms ADD1; adducin 1 (alpha); alpha-adducin; erythrocyte adducin alpha subunit; ADDA; MGC3339; MGC44427;

Gene ID [118](#)

mRNA Refseq [NM_001119](#)

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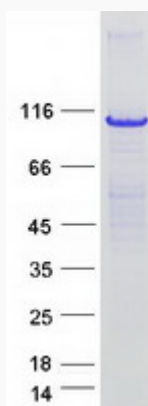
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Protein Refseq NP_001110

MIM 102680

UniProt ID P35611

SDS-PAGE



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