

Recombinant Human ADD1 Protein, GST-tagged

Cat. No. ADD1-336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADD1 full-length ORF (AAH42998, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Alpha- and gamma-adducins are ubiquitously expressed. In contrast, beta-adducin is expressed at high levels in brain and hematopoietic tissues. Adducin binds with high affinity to Ca(2+)/calmodulin and is a substrate for protein kinases A and C. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]
Molecular Mass	98.56 kDa
AA Sequence	MNGDSRAAVVTSPPTTAPHKERYFDRVDENNPEYLRERNMAPDLRQDFNMMEQ KKRVSMILQSPAFCEELESMIQEQFKKGKNPTGLLALQQIADFMTTNVPNVYPAAPQ GGMAALNMSLGMVTPVNDLRGSDSIAYDKGEKLLRCKLAIFYRLADLFGWSQLIYN HITTRVNSEQEHFLIVPFGLLYSEVTASSLVKINLQGDIVDRGSTNLGVNQAGFTLHS

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AIYAARPDVKCVVHIHTPAGAAVSAMKCGLLPISPEALSLGEVAYHDYHGILVDEEEK
 VLIQKNLGPCKSVLILRNHGLVSVGESVEEAFYYIHNLVVACEIQVRTLASAGGPDNL
 VLLNPEKYKAKSRSPGSPVGEGTGSPPKWQIGEQEFEALMRMLDNLGYRTGYR
 YPALREKSKKYSDVEVPASVTGYSFASDGDGSGTCSPLRHSFQKQKQREKTRWLN
 RGDEASEEGQNGSSPKSKTKWTKEDGHRTSTSAVPNLFVPLNTNPKEVQEMRNKI
 REQNLQDIKTAGPQSQVLCGVVMDRSLVQDAPLSDCTETIEGLELTEQTFSPAKSLS
 FRKGELVTASKAIIKEYQPHVIVSTTGPNPFTTLTDRELEEYRREVERKQKGSEENL
 DEAREQKEKSPDPQPAVPHPPPSTPIKLEEGDGCAREYLLP

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ADD1 adducin 1 \(alpha\) \[Homo sapiens \]](#)

Official Symbol

[ADD1](#)

Synonyms

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

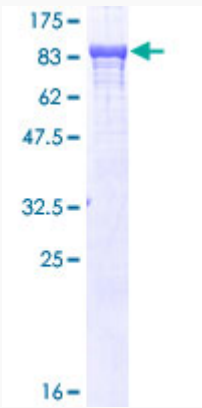
Gene ID

[118](#)

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mRNA Refseq	NM_001119
Protein Refseq	NP_001110
MIM	102680
UniProt ID	P35611
 12.5% SDS-PAGE Stained with Coomassie Blue.	