

## Recombinant Human ADD1 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human ADD1 full-length ORF ( AAH42998, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	98.56 kDa
<b>AA Sequence</b>	<p>MNGDSRAAVVTSPPTTAPHKERYFDRVDENNPEYLRERNMAPDLRQDFNMMEQ            KKRVSMLQSPAFCEELESMIQEQFKKGKNPTGLLALQQIADFMTTNVNPVYPAAPQ            GGMAALNMSLGMVTPVNDLRGSDSIAYDKGEKLLRCKLAAFYRLADLFGWSQLIYN            HITTRVNSEQEHFLIVPFGLLYSEVTASSLVKINLQGDIVDRGSTNLGVNQAGFTLHS</p>

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AIYAARPDVKCVVHIHTPAGAAVSAMKCGLLPISPEALSLGEVAYHDYHGILVDEEEK  
 VLIQKNLGPKSKVLILRNHGLVSVGESVEEAFYYIHNLVVACEIQVRTLASAGGPDNL  
 VLLNPEKYKAKSRSPGSPVGEETGSPPKWQIGEQEFEALMRMLDNLGYRTGYR  
 YPALREKSKKYSDVEVPASVTGYSFASDGDGSGTCSPLRHSFQKQREKTRWLN  
 RGDEASEEGQNGSSPKSKTKWTKEDGHRTSTSAVPNLFVPLNTNPKEVQEMRNKI  
 REQNLQDIKTAGPQSQVLCGVVMDRSLVQDAPLSDCTETIEGLELTEQTFSPAKSL  
 FRKGELVTASKAIIKEYQPHVIVSTTGPNPFTLLTDRELEEYRREVERKQKGSEENL  
 DEAREQKEKSPDPQAVPHPPPSTPIKLEEGDGCAREYLLP

**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**

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<b>mRNA Refseq</b>	NM_001119
<b>Protein Refseq</b>	NP_001110
<b>MIM</b>	102680
<b>UniProt ID</b>	P35611

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