

# Recombinant Full Length Human ADD1 Protein, GST-tagged

**Cat. No.** ADD1-907HF    **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>	In Vitro Cell Free System
<b>ProteinLength</b>	662 amino acids
<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>MNGDSRAAVV TSPPTTAPH KERYFDRVDE NNPEYLRERN MAPDLRQDFN  MMEQKRVSM ILQSPAFCEE LESMIQEQFK KGKNPTGLLA LQQIADFMTT  NVPNVYPAAP QGGMAALNMS LGMVTPVNDL RGSDSIAYDK GEKLLRCKLA</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AFYRLADLFG WSQLIYNHIT TRVNSEQEHF LIVPFGLLYS EVTASSLVKI  
 NLQGDIVDRG STNLGVNQAG FTLHSAIYAA RPDVKCVVHI HTPAGAAVSA  
 MKCGLLPISP EALSLGEVAY HDYHGILVDE EEKVLIQKNL GPKSKVLILR  
 NHGLVSVGES VEEAFYYIHN LVVACEIQVR TLASAGGPDN LVLLNPEKYK  
 AKSRSPGSPV GEGTGSPPKW QIGEQEFEAL MRMLDNLGYR TGYPYRYPAL  
 REKSKKYS DV EVPASVTGYS FASDGDSGTC SPLRHSFQKQ QREKTRWLNS  
 GRGDEASEEG QNGSSPKSKT KWTKEDGHRT STSAVPNLFV PLNTNPKEVQ  
 EMRNKIREQN LQDIKTAGPQ SQVLCGVVMD RSLVQDAPLS DCTETIEGLE  
 LTEQTFSPAK SLSFRKGELV TASKAIEKE YQPHVIVSTT GPNPFTTLTD  
 RELEEYRREV ERKQKGSEEN LDEAREQKEK SPPDQPAVPH PPPSTPIKLE  
 EGDGCAREYL LP

**Applications**

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

**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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



mRNA Refseq	NM_001119
Protein Refseq	NP_001110
MIM	102680
UniProt ID	P35611

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA