

Recombinant Full Length Human ADD1 Protein, GST-tagged

Cat. No. ADD1-907HF **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	In Vitro Cell Free System
ProteinLength	662 amino acids
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	MNGDSRAAVV TSPPTTAPH KERYFDRVDE NNPEYLRERN MAPDLRQDFN MMEQKKRVSM ILQSPAFCEE LESMIQE QFK KGKNPTGLLA LQQIADFMTT NVPNVYPAAP QGGMAALNMS LGMVTPVNDL RGSDSIAYDK GEKLLRCKLA

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

 Email: 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
 REKSKKYSVD 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  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  Fax: 1-631-938-8127

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