



# Recombinant Human Alpha-adducin (ADD1)

<b>Product Code</b>	CSB-EP001348HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P35611
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNGDSRAAVV TSPPPTTAPH KERYFDRVDE NNPEYLRERN MAPDLRQDFN MMEQKKRVSM ILQSPAFCEE LESMIQEQFK KGKNPTGLLA LQQIADFMTT NVPNVYPAAP QGGMAALNMS LGMVTPVNDL RGSDSIAYDK GEKLLRCKLA 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 RSLVQGELVT ASKAIIEKEY QPHVIVSTTG PNPFTTLTDR ELEEYRREVE RKQKGSEENL DEAREQKEKS PPDQPAVPHPP PPTPIKLEE DLVPEPTTGD DSDAATFKPT LPDLSPDEPS EALGFPMLEK EEEAHRPPSP TEAPTEASPE PAPDPAPVAE EAAPSAVEEG AAADPGSDGS PGKSPSKKKK KFRTPSFLKK SKKKSDS
<b>Source</b>	E.coli
<b>Target Names</b>	ADD1
<b>Protein Names</b>	Recommended name: Alpha-adducin Alternative name(s): Erythrocyte adducin subunit alpha
<b>Expression Region</b>	1-737
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.