



Recombinant Rat Alpha-adducin (Add1)

Product Code	CSB-EP733906RA-B
Abbreviation	Add1
Storage	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.
Uniprot No.	Q63028
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MNGDTRAAVV TSPPTTAPH KERYFDRVDE NNPEYLRERN MAPDLRQDFN MMEQKKRVSM ILQSPAFCEE LESMIQEQFK KGKNPTGLLA LQQIADFMTA SVPNVYPAAP QGGMAALNMS LGMVTPVNDL RGSDSIAYDK GEKLLRCKLA AFYRLADLFG WSQLIYNHIT TRVNSEQEHF LIVPFGLLYS EVTASSLVKV NLQGDIVDRG STNLGVNQAG FTLHSAIYAA RPDACIVHI HTPAGAAVSA MKCGLLPISP EALSLGEVAY HDYHGILVDE EEKILIQKNL GPKSKVLILR NHGLVSVGES VEEAFYYIHN LVVACEIQVR TLASAGGPDN LVLLDPGKYK AKSRSPGTPA GEGSGSPPKW QIGEQEFEAL MRMLDNLGYR TGYPYRYPAL RERSKKYSDV EVPASVTGHS FASDGDSGTC SPLRHSFQKQ QREKTRWLNS GRGDASEEG QNGSSPKSKT KWTKEDGHRT STSAVPNLFV PLNTNPKEVQ EMRNKIREQN LQDIKTAGPQ SQVLCGVMMD RSLVQGELVT ASKAIIEKEY QPHVIVSTTG PNPFNLTDR ELEEYRREVE RKQKGSEENL DETREQKEKS PPDQSAVPNT PPSTPVKLEG GLPQEPTSRD GSDATTSKPT PPDLSPEDEPS EALAFPTVAE EAHASPDTTQ PLAADPEPA SASAPGAEV ASPATEEGSP MDPGSDGSPG KSPSKKKKKF RTPSFLKSK KKS
Source	E.coli
Target Names	Add1
Protein Names	Recommended name: Alpha-adducin Alternative name(s): Erythrocyte adducin subunit alpha
Expression Region	1-735
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

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.

Shelf Life

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