

## Recombinant Human ADD1, His-tagged

Cat. No. ADD1-3338H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Alpha-adducin (ADD1)
<b>Species</b>	Human
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	737
<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.</p>
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	Small volumes of ADD1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly

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centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

**Storage** Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

**Storage Buffer** PBS pH 7.4, 50% glycerol

**Warning** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## 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](#)

**mRNA Refseq** [NM\\_001119](#)

**Protein Refseq** [NP\\_001110](#)

**MIM** [102680](#)

**UniProt ID** [P35611](#)

**Chromosome Location** 4p16.3

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**Pathway**

Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apopto

**Function**

actin binding; actin filament binding; calmodulin binding; metal ion binding; protein heterodimerization activity; protein homodimerization activity; spectrin binding; transcription factor binding;

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