

## Product datasheet for **TP508912**

### Add2 (BC053032) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse adducin 2 (beta) (cDNA clone MGC:62261 IMAGE:6401200), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  
**Species:** Mouse  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >MR208912 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSEDTVPEAASPPPSQGQHYFDRFSEDDPEYLRLRNRAADLRQDFNLMEQKKRVTMILQSPSFREELEGL  
IQEQMKKGNNSSNIWALRQIADFMASHTHAVFPASSMNFMMTPINDLHTADSLNLAKGERLMRCKISSV  
YRLLDLYGWAQLSDTYVTLRVSKEQDHFLLISPKGVSCSEVTASSLIKVNILGEVVEKGSFCFPVDTTGFS  
LHSAIYAARPDVRCIAIHLHTPATAAAVSAMKCGLLPVSHNALLVGDMAYYDFNGEMEQEADRINLQKCLGP  
TCKILVLRNHGMVALGDTVEEAFYKVFHLQAACEVQVSALSSAGGTENLILLEQEKRHPHEVGSVQWAGS  
TFGPMQKSRLGEHEFEALMRMLDNLGYRTGYTYRHPFVQEKTKHKSEVEIPATVTAFFVEEDGVPVPALR  
QHAQKQKQEKTRWLNTPNTYLVRNVAVEVQRNMGSPRPKTTWMKADEVEKSSSGMPIRIENPNQFVPLYT  
DPQEVLDMRNKIREQNRQDIKSAGPQSLLASVIAEKSRSPVQQRLPPTTEGEVYQTPGAGQGTPESSGPL  
TP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK  
**Predicted MW:** 62.8 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C after receiving vials.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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Locus ID: 11519

UniProt ID: [Q9QYB8](#)

RefSeq Size: 3431

Cytogenetics: 6 37.55 cM

RefSeq ORF: 1686

Synonyms: 2900072M03Rik; add97

**Summary:** This gene encodes the beta subunit of the adducin family. Adducins, encoded by alpha, beta and gamma genes, are heteromeric proteins that crosslink actin filaments with spectrin at the cytoskeletal membrane. This protein, primarily found in the brain and hematopoietic cells, is regulated by phosphorylation and calmodulin interactions as it promotes spectrin assembly onto actin filaments, bundles actin and caps barbed ends of actin filaments. In mouse, deficiency of this gene can lead to mild hemolytic anemia and impaired synaptic plasticity. Mutations of this gene in mouse serve as a pathophysiological model for hereditary spherocytosis and hereditary elliptocytosis. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Dec 2012]