

## Product datasheet for **AR50347PU-N**

### BCAT2 (28-392, His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | BCAT2 (28-392, His-tag) human recombinant protein, 0.25 mg  |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMASSSF KAADLQLEMT QKPHKKPGPG EPLVFGKTFT DHMLMVEWND KGWGQPRIQP FQNLTLHPAS SSLHYSLQLF EGMKAFKGD QQVRLFRPWL NMDRMLRSAM RLCLPSFDKL ELLECIRRLI EVDKDWVDA AGTSLYVRPV LIGNEPSLGV SQPTRALLFV ILCVPGAYFP GGSVTPVSLI ADPAFIRAWV GGVGNYKLG NYGPTVLVQQ EALKRGCEQV LWLYGPDHQL TEVGTMNIFV YWTHEDGVLE LVTPPLNGVI LPGVVRQSLI DMAQTWGEFR VVERTITMKQ LLRALEEGRV REVFSGGTAC QVCPVHRILY KDRNLHIPTM ENGPELILRF QKELKEIQY IRAHEWMFPV |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 43.9 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >90% by SDS - PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 10% glycerol 0.2M NaCl, 1 mM DTT   |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human BCAT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.  |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.   |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <a href="#">NP_001158245</a>  |
| Locus ID:                             | 587   |
| UniProt ID:                           | <a href="#">O15382</a>  |
| Cytogenetics:                         | 19q13.33  |



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**Synonyms:** BCATM, BCT2, ECA40, BCAT(m)

**Summary:** This gene encodes a branched chain aminotransferase found in mitochondria. The encoded protein forms a dimer that catalyzes the first step in the production of the branched chain amino acids leucine, isoleucine, and valine. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Pantothenate and CoA biosynthesis, Valine, leucine and isoleucine biosynthesis, Valine, leucine and isoleucine degradation

### Product images:

