

## Product datasheet for **TP323185M**

### **BAIAP3 (NM\_003933) Human Recombinant Protein**

#### Product data:

|                                       |                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                               |
| Description:                          | Recombinant protein of human BAI1-associated protein 3 (BAIAP3), 100 µg            |
| Species:                              | Human                                                                              |
| Expression Host:                      | HEK293T                                                                            |
| Expression cDNA Clone or AA Sequence: | >RC223185 representing NM_003933<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s) |

MRPRGAAFAAGPPGDLHLGTAIGFAGAIWRSRSPAMSTLLDIKSSVLRQVQVCPFSRRRTEQDPGSASAD  
PQEPATGAWKPGDGVFFAHMRLMLKKGEGRQGLPCLEVPLRSGSPAPPEPVDPSLGLRALAPEEVEML  
Y  
EEALYTVLYRAGTMGPDQVDDEEALLSYLQVQVFGTSLEEHTAEIERVRAKAPTALKVSVMRANKLLAK  
DPNGFSDPYCMLGILPASDATREPRAQKEQRFGRKSGSKRGGLPAKCIQVTEVKSSTLNPVWKEHFLFE  
IEDVSTDQLHLDIWDHDDVSLVEACRKLNEVIGLKGMGRYFKQIVKSARANGTAGPTEDHTDDFLGCLN  
IPVREVPVAGVDRWFKLEPRSSASRVQGHCHLVKLITTQRDTAMSQRGRSGFLSHLLLLSHLLRLEHSA  
EENSSSWRGELSTPAATILCLHGAQSNLSPLQLAVLHWQVSSRHHQTCTLDYSYLLGLLEDMAQHWEE  
A  
PSLPQEQUEESLADSLSAFSEFGLQLLRQLRDYFPATNSTAVHRLELLLKCLGKLQLFQPSFEICPFESL  
NMDIAAALKRGNREWYDRILNDKSPREQPGPQRLPGLVVLADAVYDDLQFCYSVYASLFHSILNVDVFTL  
TFRQLERLVAEEAWVLTEELSPKMTLEVASGLFELYLTADLQRFWDSIPGRDSRSLALAGIHAPFLPAV  
KLWFQVLRDQAKWRLQGAVDMDTLEPVDASSRHSSAATAGLCLSHIQELWVRLAWPDPAQAQGLGTQ  
LG  
QDVCEATLFYTELLRKKVDTQPGAAGEAVSEALCVVLNNVELVRKAAGQALKGLAWPEGATGPEGVLPRP  
LLSCTQALDDDLQREAHTVTAHLTSKMVGDIRKYVQHISLSPDSIQNDEAVAPLMKYLDEKLALLNASLV  
KGNLSRVLEALWELLQAILQALGANRDVSADFYSRFHFTLEALVSFFHAEGQGLPLESLRDGSYKRLKE  
ELRLHKCSTRECIEQFYLDKQRTLEQNRFGRLSVRCHYEAAEQRLAVEVLHAADLLPLDANGLSDPFV  
IVELGPPHLFPLVRSQRTQVKTRTLHPVYDELFFYFVPAEACRRRAACVLTVMHDHWLSTNDFAGEAAL  
GLGGVTGVARPQVGGGARAGQPVTLHLCRPRAQVRSALRRLEGRTSKEAQEFVKKLKELEKCM EADP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

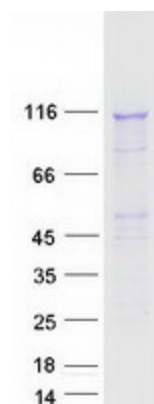
|               |           |
|---------------|-----------|
| Tag:          | C-Myc/DDK |
| Predicted MW: | 131.7 kDa |



[View online »](#)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Concentration:</b>    | >0.05 µg/µL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity:</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer:</b>           | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Preparation:</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage:</b>          | Store at -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq:</b>           | <a href="#">NP_003924</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>         | 8938                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>       | <a href="#">O94812</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq Size:</b>      | 4523                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>     | 16p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq ORF:</b>       | 3561                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms:</b>         | BAP3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Summary:</b>          | This p53-target gene encodes a brain-specific angiogenesis inhibitor. The protein is a seven-span transmembrane protein and a member of the secretin receptor family. It interacts with the cytoplasmic region of brain-specific angiogenesis inhibitor 1. This protein also contains two C2 domains, which are often found in proteins involved in signal transduction or membrane trafficking. Its expression pattern and similarity to other proteins suggest that it may be involved in synaptic functions. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010] |
| <b>Protein Families:</b> | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Product images:



Coomassie blue staining of purified BAIAP3 protein (Cat# [TP323185]). The protein was produced from HEK293T cells transfected with BAIAP3 cDNA clone (Cat# [RC223185]) using MegaTran 2.0 (Cat# [TT210002]).