

## Recombinant Human ACTR3B Protein, GST-tagged

**Cat. No.** ACTR3B-238H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ACTR3B full-length ORF ( NP_065178.1, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a member of the actin-related proteins (ARP), which form multiprotein complexes and share 35-55% amino acid identity with conventional actin. The protein encoded by this gene may have a regulatory role in the actin cytoskeleton and induce cell-shape change and motility. Pseudogenes of this gene are located on chromosomes 2, 4, 10, 16, 22 and Y. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012] |
| <b>Molecular Mass</b>   | 74 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAGSLPPCVVDCGTGYTKLGYAGNTEPQFIIPSCIAIRESAKVVDQAQRRVLRGVDD<br>LDFFIGDEAIDKPTYATKWPIRHGIIEDWDLMERFMEQVVFYKYLRAEPEDHYFLMTEP<br>PLNTPENREYLAEIMFESFNVPGLYIAVQAVLALAASWTSRQVGERTLTGIVIDSGDG<br>VTHVIPVAEGYVIGSCIHIPIAGRDITYFIQQLRERREVGIPPEQSLETAKAIKEKYCYI<br>CPDIVKEFAKYDVPDPRKWIKQYTGINAINQKKFVIDVGYERFLGPEIFFHPEFANPDF<br>MESISDVVDEVIQNCPIDVRRPLYKNVVLSSGGSTMFRDFGRRLQRD LKRVVDARLRL<br>SEELSGGRIKPKPVEVQVTHHMQRYAVWFGGSMLASTPEFFQVCHTKKDYEYEG<br>PSICRHNPVFGVMS                               |

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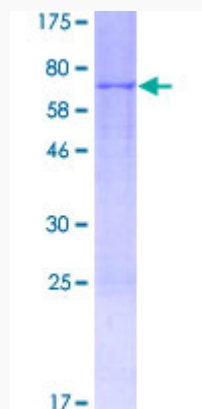
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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                              |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                       |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>        | <a href="#">ACTR3B ARP3 actin-related protein 3 homolog B (yeast) [ Homo sapiens ]</a>                                                                                                                                                                         |
| <b>Official Symbol</b>  | <a href="#">ACTR3B</a>                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | ACTR3B; ARP3 actin-related protein 3 homolog B (yeast); actin-related protein 3B;<br>ARP3beta; ARP11; ARP3-beta; actin-like protein 3B; actin-related protein ARP4;<br>actin-related protein Arp11; actin-related protein 3-beta; ARP3BETA;<br>DKFZp686O24114; |
| <b>Gene ID</b>          | <a href="#">57180</a>                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | <a href="#">NM_001040135</a>                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | <a href="#">NP_001035225</a>                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | <a href="#">Q9P1U1</a>                                                                                                                                                                                                                                         |

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12.5% SDS-PAGE Stained with Coomassie Blue.

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