

## Recombinant Human ARL2BP, GST-tagged

**Cat. No.** ARL2BP-9855H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ARL2BP protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-163a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | ADP-ribosylation factor (ARF)-like proteins (ARLs) comprise a functionally distinct group of the ARF family of RAS-related GTPases. The protein encoded by this gene binds to ARL2.GTP with high affinity but does not interact with ARL2.GDP, activated ARF, or RHO proteins. The lack of detectable membrane association of this protein or ARL2 upon activation of ARL2 is suggestive of actions distinct from those of the ARFs. This protein is considered to be the first ARL2-specific effector identified, due to its interaction with ARL2.GTP but lack of ARL2 GTPase-activating protein activity. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ARL2BP ADP-ribosylation factor-like 2 binding protein [ Homo sapiens ]                                                                                                                                                                                  |
| <b>Official Symbol</b>     | ARL2BP                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>            | ARL2BP; ADP-ribosylation factor-like 2 binding protein; ADP-ribosylation factor-like protein 2-binding protein; BART; BART1; binder of Arl2; binder of Arl Two; binder of ARF2 protein 1; ARF-like 2-binding protein; Arf-like 2 binding protein BART1; |
| <b>Gene ID</b>             | 23568                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_012106                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_036238                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | Q9Y2Y0                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 16q13                                                                                                                                                                                                                                                   |
| <b>Function</b>            | protein binding; small GTPase regulator activity; transcription coactivator activity;                                                                                                                                                                   |

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