

# Recombinant Full Length Escherichia Coli Aerobic Respiration Control Sensor Protein Arcb(Arcb) Protein, His-Tagged

**Cat. No.** RFL32744EF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Full Length Escherichia coli Aerobic respiration control sensor protein ArcB(arcB) Protein (P0AEC3) (1-778aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-778)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | <p>MKQIRLLAQYYVDLMMKLGLVRFSMALLALVVLAIVVQMAVTMVLHGQVESIDVIRS<br/> IF FGLLITPWAVYFLSVVVEQLEESRQRLSRLVQKLEEMRERDLSLNVQLKDNIQNLN<br/> QEIA VREKAEAEELQETFGQLKIEIKEREETQIQLEQQSSFLRSFLDASPDLVFYRNED<br/> KEFSGC NRAMELLTGKSEKQLVHLKPADVVSPEAAAKVIETDEKVFRHNVSLTYEQ<br/> WLDYPDGRKA CFEIRKVPYYDRVGKRHGLMGFGRDITERKRYQDALERASRDKTT<br/> FISTISHELRTPLNG IVGLSRILLDTeltaEQEKYLKTIHVSAVTLGNIFNDIIDMDKMER<br/> RKVQLDNQPVDFTS FLADLENLSALQAQKGLRFNLEPTLPLPHQVITDGTRLRQIL<br/> WNLISNAVKFTQQGQVT VRVRYDEGDMLEHFEVEDSGIGIPQDELDKIFAMYYQVKD<br/> SHGGKPATGTGIGLAVSRRLA KNMGGDITVTSEQGKGSTFTLTIHAPSVAAEEVDDAF<br/> DEDDMPLPALNVLLVEDIELNVIV ARSVLEKLGNSVDVAMTGKAALEMFKPGEYDLV<br/> LLDIQLPDMTGLDISRELTKRYPREDL PPLVALTANVLKDKQEYLNAGMDDVLSKPL</p> |

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SVPALTAMIKKFWDTQDDEESTVTTEENSK SEALLDIPMLEQYLELVGPKLITDGLAV  
FEKMMPGYVSVLESNLTAQDKKGIVEEGHKIK GAAGSVGLRHLQQLGQQIQSPDLP  
AWEDNVGEWIEEMKEEWRHDVEVLKAWVAKATKK

**Purity** Greater than 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** arcB

**Synonyms** arcB; b3210; JW5536; Aerobic respiration control sensor protein ArcB

**UniProt ID** [P0AEC3](#)

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