

## Recombinant Human ACTB cell lysate

Cat. No. ACTB-20HCL    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

|                |                                                                                                                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species        | Human                                                                                                                                                                                                                                                                      |
| Description    | This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. |
| Size           | 100 ul                                                                                                                                                                                                                                                                     |
| Storage Buffer | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                  |
| Applications   | Western Blot;                                                                                                                                                                                                                                                              |

### GENE INFORMATION

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| Gene Name       | ACTB actin, beta [ Homo sapiens ]                                                                      |
| Official Symbol | ACTB                                                                                                   |
| Synonyms        | ACTB; actin, beta; actin, cytoplasmic 1; beta cytoskeletal actin; PS1TP5-binding protein 1; PS1TP5BP1; |
| Gene ID         | 60                                                                                                     |

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mRNA Refseq</b>         | NM_001101                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>      | NP_001092                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MIM</b>                 | 102630                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | P60709                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 7p22                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Chaperonin-mediated protein folding, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; Tat protein binding; kinesin binding; nitric-oxide synthase binding; nucleotide binding; protein binding; protein kinase binding; structural constituent of cytoskeleton;                                                                                                                                                                                                                                                                        |