

## Recombinant Human ACTB cell lysate

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

### SPECIFICATION

|                       |  |
|-----------------------|--|
| <b>Species</b>        | Human  |
| <b>Description</b>    | 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. |
| <b>Size</b>           | 100 ul   |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)  |
| <b>Applications</b>   | Western Blot;  |

### GENE INFORMATION

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

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