

# Recombinant Human SMARCA4, GST-tagged

**Cat. No.** SMARCA4-2804H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SMARCA4 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>    | 207-298aa                                                                                                                                                         |
| <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

|                        |                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SMARCA4 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [ Homo sapiens ]                                                                                                      |
| <b>Official Symbol</b> | SMARCA4                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | SMARCA4; SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4; SNF2L4; transcription activator BRG1; ATP dependent helicase SMARCA4; BAF190; brahma protein like 1; BRG1; BRM/SWI2 |

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related gene 1; FLJ39786; global transcription activator homologous sequence; homeotic gene regulator; hSNF2b; mitotic growth and transcription activator; nuclear protein GRB1; SNF2; SNF2 BETA; SNF2 like 4; SNF2LB; sucrose nonfermenting like 4; SWI2; BAF190A; SNF2-like 4; protein BRG-1; brahma protein-like 1; BRM/SWI2-related gene 1; protein brahma homolog 1; BRG1-associated factor 190A; sucrose nonfermenting-like 4; ATP-dependent helicase SMARCA4; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 4; RTPS2; SNF2-BETA;

|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 6597                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_001128844                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | NP_001122316                                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | 603254                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | P51532                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 19p13.3                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | Direct p53 effectors, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; Regulation of retinob |
| <b>Function</b>            | ATP binding; DNA binding; DNA-dependent ATPase activity; Tat protein binding; androgen receptor binding; helicase activity; histone acetyl-lysine binding; hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides; nucleotide bindi |

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