

# Recombinant Full Length Human FKBP2 Protein, GST-tagged

**Cat. No.** FKBP2-4802HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Human FKBP2 full-length ORF ( NP_004461.2, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 142 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It is thought to function as an ER chaperone and may also act as a component of membrane cytoskeletal scaffolds. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 42 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MRLSWFRVLTVLSICLSAVATATGAEGKRKLQIGVKKRVDHCPIKSRKGDVLHMHYT<br>GKLEDGTEFDSSLPQNQPFVFSLG TGQVIKGWDQGLLGMCEGEKRKLVIPSELGYG<br>ERGAPPKIPGGATLVFEVELLKIERRTEL                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | FKBP2 FK506 binding protein 2, 13kDa [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | FKBP2                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | FKBP2; FK506 binding protein 2, 13kDa; FK506 binding protein 2 (13kD); peptidyl-prolyl cis-trans isomerase FKBP2; FKBP 13; peptidyl prolyl cis trans isomerase; PPIase; proline isomerase; rapamycin binding protein; FKBP-2; rotamase; 13 kDa FKBP; PPIase FKBP2; immunophilin FKBP13; rapamycin-binding protein; 13 kDa FK506-binding protein; FK506-binding protein 2 (13kD); FKBP-13; |
| <b>Gene ID</b>          | 2286                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001135208                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_001128680                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>              | 186946                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>       | P26885                                                                                                                                                                                                                                                                                                                                                                                    |

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