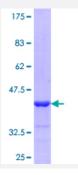# FKBP2 (Human) Recombinant Protein (Q01)

Catalog #   H00002286-Q01   Size   25 ug, 10 ug

Applications

Specification

Product Description	Human FKBP2 partial ORF (NP_004461.2, 24 a.a. - 123 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GAEGKRKLQIGVKKRVDHCPIKSRKGDVLHMHYTGKLEDGTEFDSSLPQNQPFVFSLGTGQVIKG WDQGLLGMCEGEKRKLVIPSELGYGERGAPPKIPG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

- Antibody Production

- Protein Array

Gene Info — FKBP2

Entrez GeneID	2286
GeneBank Accession#	NM_004470
Protein Accession#	NP_004461.2
Gene Name	FKBP2
Gene Alias	FKBP-13, PPIase
Gene Description	FK506 binding protein 2, 13kDa
Omim ID	186946
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	FK506 binding protein 2 (13kD)|FK506-binding protein 2 (13kD)|peptidyl-prolyl cis-trans isomerase|proline isomerase|rapamycin-binding protein

Disease

- Cardiovascular Diseases

- Diabetes Mellitus

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