

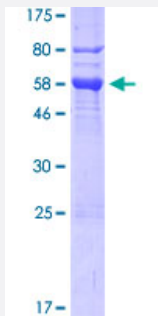
Full-Length

FKBP6 (Human) Recombinant Protein (P02)

Catalog # H00008468-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FKBP6 full-length ORF (AAH36817.1, 1 a.a. - 327 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGGSALNQGVLLEGDDAPGQSLYERLSQRMLDISGDRGVLKDVIREGAGDLVAPDASVLVKYSGY
LEHMDRPFDSNYFRKTPRLMKLGEDITLWGMELGLLSMRRGELARFLFKPNYAYGTLCGPLIPP
NTTVLFEIELLDFLDCAESDKFCALSAEQDQFPLQKVLKVAATEREFGNYLFRQNRFYDAKVRY
KRALLLLRRRSAPPEEQHLVEAAKLPLLNLSTYTLKLDRTIALCYGEQALIIDQKNAKALFRCGQ
ACLLLTEYQKARDFLVRAQKEQPFNHDINNELKKLASCYRDYVDKEKEMWHRMFAPCGDGSTA
GES

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.6

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 — FKBP6

Entrez GeneID [8468](#)**GeneBank Accession#** [BC036817.1](#)**Protein Accession#** [AAH36817.1](#)**Gene Name** FKBP6**Gene Alias** FKBP36, MGC87179, PPIase**Gene Description** FK506 binding protein 6, 36kDa**Omim ID** [604839](#)**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. The protein may have cis-trans prolyl isomerase activity, and binds to clathrin heavy chain and heat shock protein 72. This gene is found to be deleted in Williams syndrome, and the orthologous gene in mouse is essential for fertility and homologous pairing in male meiosis. [provided by RefSeq]

Other Designations FK506 binding protein 6|FK506 binding protein 6 (36kD)|FK506-binding protein 6 (36kD)|immunophilin FKBP36|peptidylprolyl cis-trans isomerase|rotamase

Disease

- [Azoospermia](#)

- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Oligospermia](#)