

Recombinant Human FKBP14, His-tagged

Cat. No. FKBP14-28911TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FKBP14 with an N terminal His tag; 213 amino acids with tag, MWt 24.2 kDa.
Species	Human
Source	E.coli
ProteinLength	192 amino acids
Description	FKBP14, also known as 22 kDa FK506-binding protein, is an enzyme that accelerates the folding of proteins during protein synthesis. This protein contains two EF-hand domains and one PPlase FKBP-type domain.
Conjugation	HIS
Molecular Weight	24.200kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, PBS, pH 7.4
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MGSSHHHHHSSGLVPRGSHMALIPEPEVKIEVLQKPFICHRKTKGGDLMLVHYEG
 YLEKDGSLFHSTHKHNNGQPIWFTLGILEALKGWDQGLKGMCVGEKRKLIIPPALGY
 GKEGKGKIPPESTLIFNIDLLLEIRNGPRSHESFQEMDLNDDWKLSKDEVKAYLKKEFE
 KHGAVVNESHHDALVEDIFDKEDEDKDGFIAREFTYKHDEL

Sequence Similarities

Contains 2 EF-hand domains.Contains 1 PPlase FKBP-type domain.

GENE INFORMATION

Gene Name FKBP14 FK506 binding protein 14, 22 kDa [Homo sapiens]

Official Symbol FKBP14

Synonyms FKBP14; FK506 binding protein 14, 22 kDa; FK506 binding protein 14 (22 kDa);
 peptidyl-prolyl cis-trans isomerase FKBP14; FKBP22; FLJ20731;

Gene ID 55033

mRNA Refseq NM_017946

Protein Refseq NP_060416

Uniprot ID Q9NWM8

Chromosome Location 7p15

Pathway Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Unfolded Protein Response, organism-specific biosystem;

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Function

FK506 binding; calcium ion binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;

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