

Recombinant Human FKBP14, GST-tagged

Cat. No. FKBP14-12908H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FKBP14 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	21-211a.a.
Description	The protein encoded by this gene is a member of the FK506-binding protein family of peptidyl-prolyl cis-trans isomerases. The encoded protein is found in the lumen of the endoplasmic reticulum, where it is thought to accelerate protein folding. Defects in this gene are a cause of a type of Ehlers-Danlos syndrome (EDS). Both a protein-coding variant and noncoding variants are transcribed from this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	FKBP14 FK506 binding protein 14, 22 kDa [Homo sapiens]
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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; FKBP-22; rotamase; 22 kDa FKBP; PPIase FKBP14; FK506-binding protein 14; 22 kDa FK506-binding protein; EDSKMH;
Gene ID	55033
mRNA Refseq	NM_017946
Protein Refseq	NP_060416
MIM	614505
UniProt ID	Q9NWM8
Chromosome Location	7p15
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Unfolded Protein Response, organism-specific biosystem;
Function	FK506 binding; calcium ion binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;