

## Product datasheet for **AR09470PU-L**

### **FKBP6 / FKBP36 (1-327, His-tag) Human Protein**

#### **Product data:**

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | FKBP6 / FKBP36 (1-327, His-tag) human recombinant protein, 0.25 mg   |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSSLVPRGSH</u> MGG SALNQG V LEGDDAPGQS LYERLSQRML DISGDRGVLK DVIREGAGDL VAPDASVLVK YSGYLEHMDR PFDSNYFRKT PRLMKLGEDI TLWGMELGLL SMRRGELARF LFKPNYAYGT LGCPPLIPP N TTVLFEI ELL DFLDCAESDK FCALSAEQQD QFPLQKVLKV AATEREF GNY LFRQNR FYDA KVR YKRALL L LRRRSAPPEE QHLVEAAKLP VLLNLSFTYL KLD RPTIALC YGEQALIIDQ KNAKALFRCG QACLLLTEYQ KARDFLVRAQ KEQPFNHDIN NELKKLASCY RDYVDKEKEM WHRMFAPCGD GSTAGES  |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 39.3 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >95% by SDS - PAGE   |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 1 mM EDTA, 0.2M NaCl  |
| Bioactivity:                          | Specific: > 190 nmoles/min/mg, defined as the amount of enzyme that cleaves 1 umole of suc-AAPF-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin   |
| Preparation:                          | Liquid purified protein  |
| Applications:                         | Protocol: <b>Activity Assay</b><br>1. Prepare 170 ul assay buffer into a suitable container and pre-chill on ice before use: The final concentrations are 200 mM Tris-HCl, pH 8.0, and 20nM chymotrypsin.<br>2. Add 10 ul of recombinant FKBP6 protein with 1 ug in assay buffer.<br>3. Mix by inversion and equilibrate to 1°C and monitor the A405nm until the value is constant using a spectrophotometer.<br>4. Add 20 ul pre-chilled 5mM suc-AAFP-pNA. (Substrate was dissolved in TFE that contained 460mM LiCl to a concentration of 3 mM)<br>5. Record the increase in A405 nm for 30 minutes at 25°C. |



[View online »](#)

|                             |  |
|-----------------------------|--|
| <b>Protein Description:</b> | Recombinant human FKBP6, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.   |
| <b>Storage:</b>             | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.   |
| <b>Stability:</b>           | Shelf life: one year from despatch.  |
| <b>RefSeq:</b>              | <a href="#">NP_001128683</a>   |
| <b>Locus ID:</b>            | 8468   |
| <b>UniProt ID:</b>          | <a href="#">O75344</a>   |
| <b>Cytogenetics:</b>        | 7q11.23  |
| <b>Synonyms:</b>            | FKBP36   |
| <b>Summary:</b>             | The protein encoded by this gene is a cis-trans peptidyl-prolyl isomerase that may function in immunoregulation and basic cellular processes involving protein folding and trafficking. This gene is located in a chromosomal region that is deleted in Williams-Beuren syndrome. Defects in this gene may cause male infertility. There are multiple pseudogenes for this gene located nearby on chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013] |

### Product images:

