

Recombinant human Peptidyl-prolyl cis-trans isomerase FKBP1A

Catalog No: #AP71761

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Package Size: #AP71761-1 20ug #AP71761-2 100ug #AP71761-3 1mg

Description

| | |
|-----------------------|---|
| Product Name | Recombinant human Peptidyl-prolyl cis-trans isomerase FKBP1A |
| Brief Description | Recombinant Protein |
| Host Species | E.coli |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:2-103aaSequence Info:Partial |
| Other Names | 12KDA FK506-binding protein ;12KDA FKBP ;FKBP-12;Calstabin-1FK506-binding protein 1A ;FKBP-1AImmunophilin FKBP12Rotamase |
| Accession No. | P62942 |
| Uniprot | P62942 |
| GeneID | 2280; |
| Calculated MW | 38.2 kDa |
| Tag Info | N-terminal GST-tagged |
| Target Sequence | GVQVETISPGDGRTPFKRGQTCVVHYTGMLLEDGKKFDSSRDNRNPKPFKMLGKQEVIRGWEEGVAQMSVGQ RAKL TISPDYAYGATGHGPGIIPPHATLVFDVE |
| Formulation | Tris-based buffer50% glycerol |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

Background

Keeps in an inactive conformation TGFBR1, the TGF-beta type I serine,threonine kinase receptor, preventing TGF-beta receptor activation in absence of ligand. Recruits SMAD7 to ACVR1B which prevents the association of SMAD2 and SMAD3 with the activin receptor complex, thereby blocking the activin signal. May modulate the RYR1 calcium channel activity. PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

References

Complementary DNA encoding the human T-cell FK506-binding protein, a peptidylprolyl cis-trans isomerase distinct from cyclophilin.Maki N., Sekiguchi F., Nishimaki J., Miwa K., Hayano T., Takahashi N., Suzuki M.Proc. Natl. Acad. Sci. U.S.A. 87:5440-5443(1990)Research Topic:Immunology

Note: This product is for in vitro research use only