

SRP14, 1-136aa

Cat.NO.: TP04031

3th Edition

Synonyms:DKFZp468D2027.

Description:SRP14 is a ribonucleoprotein complex that mediates the targeting of proteins to the endoplasmic reticulum. The "Alu domain" of SRP comprises the heterodimer of the SRP9 and SRP14 proteins, which are bound to the 5' and 3' terminal sequences of SRP RNA. SRP9/14 binding may be crucial to the transcription, maturation, nucleolus localization and transport of SRP RNA. Recombinant human SRP14 protein, fused to His-tag at Nterminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT

Molecular Weight:17.1 kDa (160aa) confirmed by MALDI-TOF (molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMVLESEQFLTELTRLFQKCRITSGSVYITLKKYDGRTPKIPKKGTVVEGFEPADNKCLLRATDGGKKISTVVSSKEVNFQMAYSNLLRANMDGLKKRDKKNKTKTKAAAAAAAAAAPAAAATAATTAATTAATAAQ

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.