

AR50117PU-S

Human STAR / STARD1 (64-285, His-tag) - Purified

Alternate names:	START domain-containing protein 1, Steroidogenic acute regulatory protein mitochondrial
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	STAR, also known as steroidogenic acute regulatory protein, appears to mediate the rapid increase in pregnenolone synthesis stimulated by tropic hormones. It increases pregnenolone synthesis more than four-fold and a major STAR transcript of 1.6 kb is found in ovary and testis. During ongoing growth and differentiation of the follicle of the ovary, the immunoreactivity of it tends to shift from the granulosa cells of early antral follicles to the theca cell layers in the adult.
Uniprot ID:	P49675
NCBI:	NP_000340
GeneID:	6770
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT
Description:	Recombinant human STAR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MEETLYSDQE LAYLQQGEEA MQKALGILSN QEGWKESQQ DNGDKVMSKV VPDVGKVFRL EVVVDQPMER LYEELVERME AMGEWNPVK EIKVLQKIGK DTFITHLAA EAAGNLVGPR DFVSVRCAR RGSTCVLAGM ATDFGNMPEQ KGVIRAEHGP TCMVLHPLAG SPSKTKLTWL LSIDLKGWLP KSINQVLSQ TQVDFANHLR KRLESHPAE ARC Molecular weight: 27.1 kDa (243aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Borthwick F. et al. (2009) FEBS Lett. 583:1147-1153. Mikhaylova I.V. et al. (2008) J. Endocrinol. 199: 435-444.

Pictures:

