

STAR recombinant protein

STAR, 64-285aa, Human, His tag E Coli

CATALOG # AAA48759	HOST E Coli	APPLICATIONS SDS-Page
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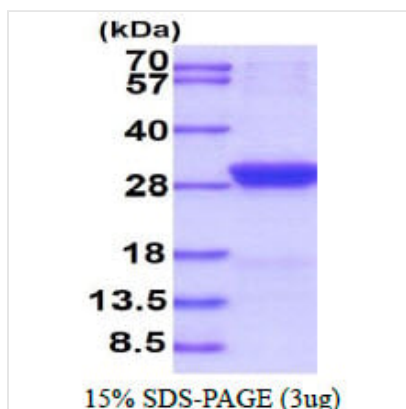
PRODUCT SYNONYMS

STAR; 64-285aa; Human; His tag E Coli; Steroidogenic acute regulatory protein mitochondrial; Steroidogenic acute regulatory protein; mitochondrial; ; STAR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 2mM DTT
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MEETLYSDQE LAYLQQGEEA MQKALGILSN QEGWKESQQ DNGDKVMSKV VPDVGKVFRLL EVVDQPMER LYEELVERME AMGEWNPVVK EIKVLQKIGK DTFITHELAA EAAGNLVGPR DFVSVRCAKR RGSTCVLAGM ATDFGNMPEQ KGVIRAEHGP TCMVLHPLAG SPSKTKLTWL LSIDLKGWLP KSIINQVLSQ TQVDFANHLR KRLESHPAASE ARC
Sequence Length	285
Applicable Applications for STAR recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for STAR recombinant protein	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. Recombinant human STAR protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for STAR recombinant protein	Cancer
References	Borthwick F. et al. (2009) FEBS Lett. 583:1147-1153.; Mikhaylova I.V. et al. (2008) J. Endocrinol.199: 435-444.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56243551
NCBI GeneID	6770
NCBI Accession #	NP_000340
NCBI GenBank Nucleotide #	NM_000349.2
UniProt Accession #	P49675; Q16396
Molecular Weight	27.1 kDa (243aa), confirmed by MALDI-TOF
NCBI Official Full Name	steroidogenic acute regulatory protein, mitochondrial
NCBI Official Synonym Full Names	steroidogenic acute regulatory protein
NCBI Official Symbol	STAR
NCBI Official Synonym Symbols	STARD1
NCBI Protein Information	steroidogenic acute regulatory protein, mitochondrial
UniProt Protein Name	Steroidogenic acute regulatory protein, mitochondrial
UniProt Gene Name	STAR
UniProt Synonym Gene Names	STARD1; StAR; StARD1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.