OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR51345PU-N Human CD105 / Endoglin (26-586, His-tag) - Purified

Alternate names: END, ENG, HHT1, ORW, ORW1

Quantity: 0.1 mg

Concentration: 0.25 mg/ml (determined by Bradford assay)

Background: ENG is a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer.

Uniprot ID: P17813

NCBI: NP_000109

GeneID: 2022

Species: Human

Source: E. coli

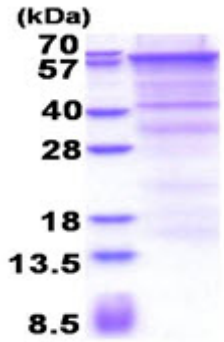
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description: Recombinant human ENG prtoein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSETVH CDLQPVGPER DEVTYTTSQV
SKGCVAQAPN AILEVHVLFL EFPTGPSQLE LTLQASKQNG TWPREVLLVL SVNSSVFLHL
QALGIPLHLA YNSSLVTFQE PPGVNTTELP SFPKTQILEW AAERGPITSA AELNDPQSIL
LRLGQAQGSL SFCMLEASQD MGRTLEWRPR TPALVRGCHL EGVAGHKEAH ILRVLPGHSA
GPRTVTVKVE LSCAPGDLDA VLILQGPPYV SWLIDANHNM QIWTTGEYSF KIFPEKNIRG
FKLPDTPQGL LGEARMLNAS IVASFVELPL ASIVSLHASS CGGRLQTSPA PIQTTPPKDT
CSPELLMSLI QTKCADDAMT LVLKKELVAH LKCTITGLTF WDPSCEAEDR GDKFVLRSAY
SSCGMQVSAS MISNEAVVNI LSSSSPQRKK VHCLNMDSLS FQLGLYLSPH FLQASNTIEP
GQQSFVQVRV SPSVSEFLLQ LDSCHLDLGP EGGTVELIQG RAAKGNCVSL LSPSPEGDPR
FSFLLHFYTV PIPKTGTLSC TVALRPKTGS QDQEVHRTVF MRLNIISPDL SGCTSKG
Molecular weight: 64.9 kDa (594aa)

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: Lee N.Y., et al. (2007) J. Biol. Chem. 282:21507-21517

Pictures:



15% SDS-PAGE (3ug)