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Product Information

MemDX™ Membrane Protein Human ENG (Endoglin) expressed in insect for Antibody Discovery

Cat. No.: **MP0143Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 90 kDa Human ENG membrane protein expressed in Insect. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
ENG

Protein Length
Full-length

Protein Class
Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Molecular Weight
90 kDa

TMD
1

Sequence
MDRGTLPLAVALLLASCSLSPTSLAETVHCDLQPVGPERGEVTYTTSQVSKGCVAQAPNA
ILEVHVLFLEFPTGPSQLELTLQASKQNGTWPREVLLVLSVNSSVFLHLQALGIPLHLAY
NSSLVTFQEPPGVNTTELPSFPKTQILEWAAERGPITSAAELNDPQSILLRLGQAQGSLS
FCMLEASQDMGRTLEWRPRTPALVRGCHLEGVAGHKEAHILRVLPGHSAGPRTVTVKVEL
SCAPGDLDAVLILQGPPYVSWLIDANHNMQIWTTGEYSFKIFPEKNIRGFKLPDTPQGLL
GEARMLNASIVASFVELPLASIVSLHASSCGGRLQTSPAPIQTTPPKDTCSPELLMSLIQ
TKCADDAMTLVLKKELVAHLKCTITGLTFWDPSCEAEDRGDKFVLRSAYSSCGMQVSASM
ISNEAVVNILSSSSPQRKKVHCLNMDSLSFQLGLYLSPHFLQASNTIEPGQQSFVQVRVS
PSVSEFLLQLDSCHLDLGPEGGTVELIQGRAAKGNCVSLLSPSPEGDPRFSFLLHFYTVP
IPKTGTLSCTVALRPKTGSQDQEVHRTVFMRLNIISPDLSGCTSKGLVLPAVLGITFGAF
LIGALLTAALWYIYSHTREYPRPPQ

Product Description

Expression Systems
Insect

Form

Powder

Endotoxin

< 0.1 ng per μg

Purity

>95%> 95% (SDS-PAGE and visualized by Silverstain)

Buffer

Lyophilized without buffer and stabilizer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

ENG

Full Name

Endoglin

Introduction

This gene encodes 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

END; HHT1; ORW1; CD105 antigen; Endoglin; CD105

Gene ID

2022

UniProt ID

P17813

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