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Product datasheet for PH326069

CD105 (ENG) (NM_001114753) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ENG MS Standard C13 and N15-labeled recombinant protein (NP_001108225)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226069
Predicted MW:	70.64 kDa
Protein Sequence:	>RC226069 representing NM_001114753 Red=Cloning site Green=Tags(s) MDRGTLPLAVALLLASCSLSPTSLAETVHCDLQPVGPERDEVTYTTSQVSKGCVAQAPNAILEVHVLFLE FPTGPSQLELTLQASKQNGTWPREVLLVLSVNSSVFLHLQALGIPLHLAYNSSLVTFQEPPGVNTTELPS FPKTQILEWAAERGPITSAAELNDPQSILLRLGQAQGSLSFCMLEASQDMGRTLEWRPRTPALVRGCHLE GVAGHKEAHILRVLPGHSAGPRTVTVKVELSCAPGDLDAVLILQGPPYVSWLIDANHNMQIWTTGEYSFK IFPEKNIRGFKLPDTPQGLLGEARMLNASIVASFVELPLASIVSLHASSCGGRLQTSPAPIQTTPPKDTC SPELLMSLIQTKCADDAMTLVLKKELVAHLKCTITGLTFWDPSCEAEDRGDKFVLRSAYSSCGMQVSASM ISNEAVVNILSSSSPQRKKVHCLNMDSLSFQLGLYLSPHFLQASNTIEPGQQSFVQVRVSPSVSEFLLQL DSCHLDLGPEGGTVELIQGRAAKGNCVSLLSPSPEGDPRFSFLLHFYTVPIPKTGTLSCTVALRPKTGSQ DQEVHRTVFMRLNIISPDLSGCTSKGLVLPAVLGITFGAFLIGALLTAALWYIYSHTRSPSKREPVVAVA APASSESSSTNHSIGSTQSTPCSTSSMA SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001108225
RefSeq ORF:	1974

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Synonyms: END; HHT1; ORW1

Locus ID: 2022

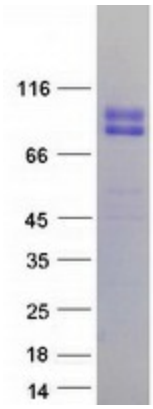
UniProt ID: P17813, Q96CG0, A0A024R878

Cytogenetics: 9q34.11

Summary: 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. [provided by RefSeq, May 2013]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Product images:



Coomassie blue staining of purified ENG protein (Cat# [TP326069]). The protein was produced from HEK293T cells transfected with ENG cDNA clone (Cat# [RC226069]) using MegaTran 2.0 (Cat# [TT210002]).