

Endoglin, human recombinant protein
CD105, ENG, END, ORW, HHT1, ORW1, FLJ41744, Endoglin
Catalog # PBV10297r**Specification****Endoglin, human recombinant protein - Product info**

Primary Accession [P17813](#)
Calculated MW **90.0 kDa** KDa

Endoglin, human recombinant protein - Additional Info

Gene ID **2022**
Gene Symbol **ENG**
Other Names
CD105, ENG, END, ORW, HHT1, ORW1, FLJ41744, Endoglin

Gene Source **Human**
Source **Sf9 cells**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC; ≥95%**
Recombinant **Yes**
Sequence **MDRGTLPPLAVALLASCSLSPTSLAETVHCDLQ
PVGPERGEVTTYTSQVSKGCVAQAPNAILEVHV
LFLEFPTGPSQLELTQASKQNGTWPREVLLVL
SVNSSVFLHLQALGIPLHLAYNSSLVTFQEPPG
VNTTELPSPFKTQILEWAAERGPITSAAELNDP
QSILLRLGQAQGSLSFCMLEASQDMGRTLEWR
PRTPALVRGCHLEGVAGHKEAHILRVLPGHSAG
PRTVTVKVELSCAPGDLDAVLILQGPPYVSWLI
DANHNMQIWTTGEYSFKIFPEKNIRGFKLPDTP
QGLLGEARMLNASIVASFVELPLASIVSLHASSC
GGRLQTSPAPIQTTPPKDTCPELLMSLIQTKCA
DDAMTLVLKKELVAHLKCTITGLTFWDPSCEAE
DRGDKFVLRSAISSCGMQVSASMISNEAVVNI
LSSSSPQRKKVHCLNMDLSLQGLGLYLSPHFLQ
ASNTIEPGQQSFVQVRVSPSVSEFLLQLDSCHL
DLGPEGGTVELIQGRAAKGNCVSLSPSPGDP
RFSFLLHFYTVPI PKTGTLSTCTVALRPKTGS.**

Target/Specificity
Endoglin

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS to a concentration ≥ 100 µg/ml.
This solution can then be diluted into other aqueous buffers.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from PBS pH 7.4.

Endoglin, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Endoglin, human recombinant protein - Images

Endoglin, human recombinant protein - Background

Endoglin is a type I membrane glycoprotein located on cell surfaces and is part of the TGF beta receptor complex. The protein consists of a homodimer of 180 kDa with disulfide links. It has been found on endothelial cells, activated macrophages, fibroblasts, and smooth muscle cells. Endoglin has been found to be part of the TGF-beta1 receptor complex. It thus may be involved in the binding of TGF-beta1, TGF-beta3, Activin-A, BMP-2, and BMP-7. It has been postulated that Endoglin is involved in the cytoskeletal organization affecting cell morphology and migration. Endoglin has a role in the development of the cardiovascular system and in vascular remodeling. Its expression is regulated during heart development. CD105 Human Recombinant extracellular domain produced in baculovirus is a homodimeric, glycosylated, polypeptide containing 586 amino acids and having a molecular mass of 61 kDa but as a result of glycosylation, migrates at 90 kDa under reducing conditions in SDS-PAGE. The CD105 is fused to a C-terminal His-tag (6xHis) and purified by proprietary chromatographic techniques.

Endoglin, human recombinant protein - References

Bellon T., et al. Eur. J. Immunol. 23:2340-2345(1993).
Humphray S.J., et al. Nature 429:369-374(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Gougos A., et al. J. Biol. Chem. 265:8361-8364(1990).
McAllister K.A., et al. Nat. Genet. 8:345-351(1994).