

Active Recombinant Human ANGPT1 protein, His-tagged

Cat. No. ANGPT1-3455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPT1 fused with His tag at C-terminal was expressed in HELA.
Species	Human
Source	HELA
Predicted N Terminal	Sequencing analysis shows N-terminal sequences starting with Ser-20 and with Asp-70 of the 498 amino acid precursor protein.
Bio-activity	Determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC).
Molecular Mass	Migrates with an apparent molecular mass of 60.0 – 70.0 kDa by SDS-PAGE under reducing conditions. The calculated molecular weight of Recombinant Human ANG-1 is 56.3 kDa.
AA Sequence	SNQRRSPENS GRRYNRIQHG QCAYTFILPE HDGNCRESTT DQYNTNALQR DAPHVEPDFS SQKLQHLEHV MENYTQWLQK LENYIVENMK SEMAQIQQNA VQNHTATMLE IGTSLLSQTA EQTRKLT DVE TQVLNQTSRL EIQLLENSLS TYKLEKQLLQ QTNEILKIHE KNSLLEHKIL EMEGKHKEEL DTLKEEKENL QGLVTRQTYI IQELEKQLNR ATTNNSVLQK QQLELMDTVH NLVNLCTKEG VLLKGGKREE EKPFRDCADV YQAGFNKSGI YTIYINNMPE PKKVFCNMDV NGGGWTVIQH REDGSLDFQR GWKEYKMGFG NPSGEYWLGN EFIFAITSQR QYMLRIELMD WEGNRAYSQY DRFHIGNEKQ NYRLYLKGHT GTAGKQSSLI

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LHGADFSTKD ADNDNCMCKC ALMLTGGWWF DACGPSNLNG MFYTAGQNHG
KLNGIKWHYF KGPSYSLRST TMMIRPLDFH HHHHH

Purity Greater than 95% by SDS-PAGE gel and HPLC analyses.

GENE INFORMATION

Gene Name [ANGPT1 angiopoietin 1 \[Homo sapiens \]](#)

Official Symbol [ANGPT1](#)

Synonyms ANGPT1; angiopoietin 1; angiopoietin-1; Ang1; KIAA0003; ANG-1; AGP1; AGPT; ANG1;

Gene ID [284](#)

mRNA Refseq [NM_001146](#)

Protein Refseq [NP_001137](#)

MIM [601667](#)

UniProt ID [Q15389](#)

Chromosome Location 8q23.1

Pathway Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem; Tie2 Signaling, organism-specific

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biosystem;

Function

receptor tyrosine kinase binding;

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