

Recombinant Human ANGPT2 protein, GST-tagged

Cat. No. ANGPT2-551H Lot. No. (See product label)

SPECIFICATION

Product Overview Human ANGPT2 full-length ORF (BAG35440.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

Description The protein encoded by this gene is an antagonist of angiotensin II (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Molecular Mass 80.96 kDa

AA Sequence MWQIVFFTLSCDLVLAAYNNFRKSMDSIGKKQYQVQHGSCSYTFLLPEMDNCRSS
SSPYVSNVQRDAPLEYDDSVQRLQVLENIMENNTQWLMKLENYIQDNMCKEMVEI
QQNAVQNQTAVMIEIGTNLLNQTAEQTRKLT DVEAQVLNQTTRLELQLEHSLSTNK
LGKQILDQTSEINKFQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIEE
LEKKIVTATVNNSVLQKQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCAE
VFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTTIIQRREDGSVDFQRTWKEY
KVGFGNPSGEYWLGNFVSQLTNQQRYVLKIHLKDWEGNEAYSLYEHFYLSSEELN
YRIHLKGLTGTAGKISSISQPGNDFSTKDGNDKCKICKCSQMLTGGWWFDACGPSN
LNGMYYPQRQNTNKFNGIKWYYWKGSGYSLKATTMMIRPADF

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ANGPT2 angiopoietin 2 [Homo sapiens]
Official Symbol	ANGPT2
Synonyms	ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a; ANG2; AGPT2;
Gene ID	285
mRNA Refseq	NM_001118887
Protein Refseq	NP_001112359
MIM	601922
UniProt ID	O15123

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