

Product Datasheet

Angiopoietin-2 Protein, Rat, Recombinant (E. coli, His) (orb1976679)

Description	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal. Angiopoietin-2 Protein, Rat, Recombinant (E. coli, His) is expressed in E. coli expression system with N-6xHis tag. The predicted molecular weight is 58.6 kDa and the accession number is O35462.
Storage	-20°C
Tag	N-6xHis
Note	For research use only
Application notes	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Protein Sequence	YNNFRKSV DSTGRRQYQVQNGPCSYTFLLPETDSCRSSSSPYMSNAVQRDAPLDYDDSVQ RLQVLENILENNTQWLMKLENIQDNMKKEMVEIQQNVVQNQTAVMIEIGTSLLNQTAAQT RKLTDVEAQVLNQTTRELELQLLQHSISTNKLEKQILDQTSEINKLQDKNSFLEKKVLDMEDK HSVQLQSMKEQKDQLQVLVSKQSSVIDELEKLVLTATVNNSVLQKQQHDLMETVNSLLTM MSSPDYKSSVAVPKEEKTTFRDCAEIFKSGLTTSGIYTLTFPNSTEEVKAYCDMDMGGGGW TVIQHREDGSVDFQRTWKEYKEGFGSPLGEYWLGNEFVSQLTSGHRYVLKIQLKDWEQSE AHSLYEHFYLSGEESNYRIHLTGLTGTAGKISSISQPGSDFSTKDSNDKCKICKCSQMLTGG WWFDACGPSNLNGQYYPQKQNTNKFNGIKWYYWKGGYSLKATTMMIRPADF
Purity	98.00%
MW	58.6 kDa (predicted)
Uniprot ID	O35462

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Expiration Date

6 months from date of receipt.

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