

Angiopoietin-2 Protein, Human (CHO, His)

Cat. No.:	HY-P72828
Synonyms:	Angiopoietin-2; ANG-2; ANGPT2
Species:	Human
Source:	CHO
Accession:	O15123 (M1-F496)
Gene ID:	285
Molecular Weight:	Approximately 62.6 kDa

PROPERTIES

AA Sequence

MWQIVFFTL S	CDLVLA AAYN	NFRKSMDSIG	KKQYQVQHGS
CSYTFLLPEM	DNCRSSSSPY	VSNAVQRDAP	LEYDDSVQRL
QVLENIMENN	TQWLMKLENY	IQDNMKKEMV	EIQQNAVQNN
TAVMIEIGTN	LLNQTAEQTR	KLTDVEAQVL	NQTTRLELQL
LEHSLSTNKL	EKQILDQTSE	INKLQDKNSF	LEKKVLAMED
KHIIQLQSIK	E EKDQLQVLV	SKQNSII EEL	EKKIVTATVN
NSVLQKQQHD	LMETVNNLLT	MMSTSNSAKD	PTVAKEEQIS
FRDCAEVFKS	GHTTNGIYTL	TFPNSTEEIK	AYCDMEAGGG
GWTIIQRRED	GSVDFQRTWK	EYKVGFGNPS	GEYWLGNFV
SQLTNQQRVY	LKIHLKDWEG	NEAYSLEYEHF	YLSSEELNYR
IHLKGLTGTA	GKISSISQPG	NDFSTKDGDN	DKCICKCSQM
LTGGWWFDAC	GPSNLNGMY Y	PQRQNTNKFN	G I K W Y Y W K G S
GYSLKAT TMM	IRPAD F		

Biological Activity Immobilized Angiopoietin-2 Protein, Human (CHO, His) at 2 µg/mL (100 µl/well) can bind human TIE2-Fc and the EC₅₀ is 80-480 ng/mL.

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm filtered solution of 20 mM MOPS, 150 mM NaCl, 0.05 % CHAPS, pH 7.0.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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