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Datasheet for ABIN7491343

Angiopoietin 2 Protein (ANGPT2) (His tag)

Overview

Quantity:	100 µg
Target:	Angiopoietin 2 (ANGPT2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiopoietin 2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ANGPT2 (19-496) Protein with C-terminal 6xHis tag
Specificity:	ANGPT2 (Tyr19-Phe496) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Angiopoietin 2 (ANGPT2)
Alternative Name:	ANGPT2 (ANGPT2 Products)
Background:	<p>AGPT2, ANG2, LMPHM10This gene belongs to the angiopoietin family of growth factors.</p> <p>Description: The protein encoded by this gene is an antagonist of angiopoietin 1, and both angiopoietin 1 and angiopoietin 2 are ligands for the endothelial TEK receptor tyrosine kinase.</p> <p>Angiopoietin 2 is upregulated in multiple inflammatory diseases and is implicated in the direct</p>

Target Details

control of inflammation-related signaling pathways. The encoded protein affects angiogenesis during embryogenesis and tumorigenesis, disrupts the vascular remodeling ability of angiopoietin 1, and may induce endothelial cell apoptosis. This gene serves a prognostic biomarker for acute respiratory distress syndrome. [provided by RefSeq, Aug 2020]

Molecular Weight: predicted molecular mass of 55.7 kDa after removal of the signal peptide. The apparent molecular mass of ANGPT2(19-496)-His is 55-70 kDa due to glycosylation.

UniProt: [O15123](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months