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Human Angiopoietin Like Protein-3

ORDERING INFORMATION

Catalog No: rAP-0269

Size: 2 µg; 10µg

Storage: <- 20° C

Synonyms:

Angiopoietin 5, ANGPT5, ANGPTL3, Angiopoietin Like Protein 3.

Description:

The ANGPTL3 Human Recombinant is produced with N-terminal fusion of His-Tag. The Angiopoietin-like protein 3 His Tagged Fusion Protein is 26kDa containing 207 amino acid residues of the ANGPTL3 Human and 16 additional amino acid residues – His-Tag (underlined). MRGSHHHHHH GMASHMSRID
QDNSSFDLSL PEPKSRFAML DDVKILANGL LQLGHGLKDF VHKTGQIND IFQKLNIFDQ SFYDLSLQTS
EIKKEEKELR RTTYKLQVKN EEVKNMSLEL NSKLESLLLE KILLQKVKY LEEQLTNLIQ NQPETPEHPE
VTSLKTFVEK QDNSIKDLLQ TVEDQYKQLN QQHSQIKEIE NQLRRTSIQE PTEISLSSKP RAP.

Source: *Escherichia Coli*.

Specificity: The amino acid sequence of the ANGPTL3 Human recombinant is 100% homologous to the 17-223 amino acid sequence of the Human Angiopoietin-like proteins-3 precursor without signal sequence.

Purification Method: One-step procedure using affinity Ni-NTA chromatography.

Formulation: ANGPTL3 Human Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

Purity: Angiopoietin 5 purity is greater than 95% as determined by SDS-PAGE.

Solubility: Add 0.2 ml of 0.1M Acetate buffer pH-4 and let the lyophilized pellet of ANGPTL3 Human dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of Angiopoietin 5 is limited.

Stability: Store lyophilized ANGPTL3 Human at -20°C. Aliquot the product after reconstitution to **avoid repeated freezing/thawing cycles**. Reconstituted Angiopoietin 5 can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
The lyophilized Angiopoietin 5 remains stable until the expiry date when stored at -20°C.

Applications: Western blotting, ELISA.

References:

- Ono M, Shimizugawa T, Shimamura M, Yoshida K, Noji-Sakikawa C, Ando Y, Koishi R, Furukawa H.: Protein region important for regulation of lipid metabolism in angiopoietin-like 3 (ANGPTL3): ANGPTL3 is cleaved and activated in vivo. J Biol Chem. 2003 Oct 24;278(43):41804-9. Epub 2003 Aug 8.f
- Koster A, Chao YB, Mosior M, Ford A, Gonzalez-DeWhitt PA, Hale JE, Li D, Qiu Y, Fraser CC, Yang DD, Heuer JG, Jaskunas SR, Eacho P. Transgenic angiopoietin-like (angptl)4 overexpression and targeted disruption of angptl4 and angptl3: regulation of triglyceride metabolism. Endocrinology. 2005 Nov;146(11):4943-50. Epub 2005 Aug 4.

Usage: Angio-Proteomie's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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