

Product information

ANGPTL3, 17-460aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3406

Full name: Angiopoietin-related protein 3

NCBI Accession No.: NP_055310

Synonyms: ANGPTL3, ANG-5, ANGPT5, ANL3, FHBL2

Description: ANGPTL3, as known as angiopoietin-related protein 3, is a secreted glycoprotein that is structurally related to the angiopoietins. This protein directly inhibits lipoprotein lipase (LPL) and endothelial lipase (EL), enzymes responsible for hydrolyzing circulating triglycerides and HDL phospholipids. This activity requires a putative heparin-binding motif which is N-terminal to the coiled coil domain. Recombinant human ANGPTL3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 52.9kDa (453aa)

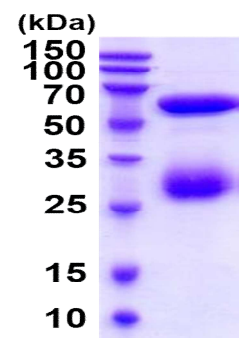
25-70kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala

Purity: > 90% by SDS – PAGE.

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

ADPSRIDQDN SSFDSLSPPEP KSRFAMLDVV KILANGLLQL GHGLKDFVHK TKGQINDIFQ KLNIFDQSFY DLSLQTSEIK EEEKELRRTT
 YKLQVKNEEV KNMSLELNSK LESLLEEKIL LQQKVKYLEE QLTNLIQNQP ETPEHPEVTS LKTFVEKQDN SIKDLLQTVE DQYQLNQQH
 SQIKEIENQL RRTSIQEPT EISLSSKPRAP RTTPFLQLNE IRNVKHDGIP AECTTIYNRG EHTSGMYAIR PSNSQVFHVV CDVISGSPWT
 LIQHRIDGSQ NFNETWENYK YGFGRLDGEF WLGLEKIYSI VKQSNVVLRI ELEDWKDNKH YIEYSFYLG N HETNYTLHLV AITGNVPNAI
 PENKDLVFST WDHKAKGHFN CPEGYSGGWW WHDECGENNL NGKYNKPRAK SKPERRRGLS WKSQNGRLYS IKSTKMLIHP TDESSEFHHH
 HHH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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Product information

General references:

Tikka A., *et al.* (2014) *Biosci. Rep.* 34:E00160.

Ono M., *et al.* (2003) *J. Biol. Chem.* 278:41804-41809.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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