

AG-40A-0051

29-Oct-2010

ANGPTL3 (human) (rec.)

[Angiopoietin-like Protein 3; Angiopoietin-5; ANG-5]

AG-40A-0051-C010	10 µg
AG-40A-0051-C050	50 µg
Source/Host	HEK 293 cells
MW	~60kDa (SDS-PAGE)
Sequence	Human ANGPTL3 (aa 1-460) is fused at the C-terminus to a FLAG [®] -tag.

Handling / Storage

Shipping	BLUE ICE
Short Term Storage	+4°C
Long Term Storage	-20°C

After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

Use / Stability

Working aliquots are stable for up to 3 months when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications

Biological Activity	Activates ERK phosphorylation in THP-1 cells.
Purity	≥90% (SDS-PAGE)
Formulation	Liquid. 0.2µm-filtered solution in PBS.
Endotoxin Content	<0.1EU/µg purified protein (LAL test; Lonza).

Other Product Data

UniProt link Q9Y5C1: [ANGPTL3 \(human\) \[Precursor\]](#) FLAG is a registered trademark of Sigma-Aldrich Co.

Product Description

ANGPTL3 (Angiopoietin-like protein 3) regulates angiogenesis and also directly regulates lipid, glucose, and energy metabolism.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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Product Specific References

1. Angiopoietin-like protein 3 modulates barrier properties of human glomerular endothelial cells through a possible signaling pathway involving phosphatidylinositol-3 kinase/protein kinase B and integrin alphaVbeta3.: Y. Li, et al.; Acta Biochim. Biophys. Sin. (Shanghai) **40**, 459 (2008)
2. Angiopoietin-like-2 and -3 act through their coiled-coil domains to enhance survival and replating capacity of human cord blood hematopoietic progenitors: H.E. Broxmeyer, et al.; Blood Cells Mol. Dis. (**Epub ahead of print**) (2011)

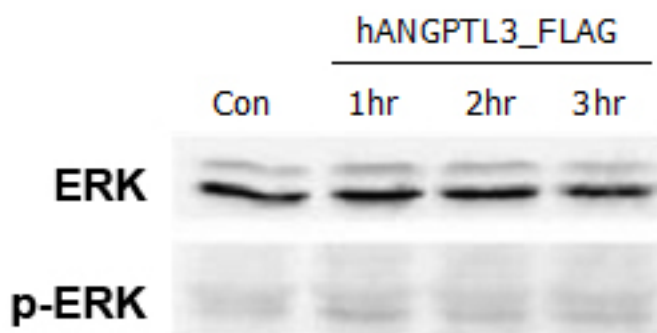


Figure 1: ERK phosphorylation induced by hANGPTL3 in THP-1 cells. THP-1 monocyte cells were serum starved for 16hr and then stimulated with ANGPTL3 (human) (rec.) (Prod. No. AG-40A-0051) (500ng/ml) for 1, 2 and 3 hrs, respectively. Antibodies against pERK1/2 & total ERK1/2 were used for immunoblotting.

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