

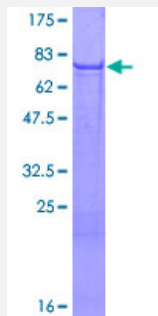
Full-Length

ANGPT1 (Human) Recombinant Protein (P01)

Catalog # H00000284-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ANGPT1 full-length ORF (NP_001137.2, 1 a.a. - 498 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTVFLSFAFLAAILTHIGCSNQRRSPENSGRRYNRIQHGCCAYTFILPEHDGNCRESTTDQYNTNAL
QRDAPHVEPDFSSQKLQHLEHVMENYTQWLQKLENYVENMKSEMAQIQQNAVQNHTATMLEIGT
SLLSQTAEQTRKLTDVETQVLNQTSRLEIQLLENSLSTYKLEKQLLQQTNEILKIHEKNSLLEHKILEM
EGKHKEELDTLKEEKENLQGLVTRQTYIQELEKQLNRATTNNSVLQKQQLLEMDTVHNLVNLCTK
EGVLLKGGKREEEKPFRDCADVQAGFNKSGYTYNNMPEPKKVFCNMDVNGGGWTVIQHRED
GSLDFQRGWKEYKMGFGNPSGEYWLGNFIFAITSQRQYMLRIELMDWEGNRAYSQYDRFHIGNE
KQNYRLYLKGGHTGTAGKQSSILHGAADFSTKDADNDNCMCKCALMLTGGWWFDACGPSNLNGM
FYTAGQNHGKLNIGIKWHYFKGPSYSLSRSTTMMIRPLDF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.9

Interspecies Antigen Sequence

Mouse (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ANGPT1

Entrez GeneID	284
GeneBank Accession#	NM_001146.3
Protein Accession#	NP_001137.2
Gene Name	ANGPT1
Gene Alias	AGP1, AGPT, ANG1
Gene Description	angiotensinogen 1
Omim ID	601667
Gene Ontology	Hyperlink
Gene Summary	Angiotensins are proteins with important roles in vascular development and angiogenesis. All angiotensins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. [provided by RefSeq]
Other Designations	-

Disease

- [Angina Pectoris](#)
- [Coronary Disease](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Liver Cirrhosis](#)
- [Myocardial Infarction](#)
- [Stroke](#)