Recombinant mouse Angiopoietin-like 7/ANGPTL7 protein

Catalog Number: ATGP3196

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
22-337aa

UniProt No.
Q8R1Q3

NCBI Accession No.
NP_001034643

Alternative Names
Angptl7, Angiopoietin-like 7, Angiopoietin-related protein 7, CDT6, AngX

PRODUCT SPECIFICATION

Molecular Weight
37.5 kDa (324aa)

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

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
ANGPTL7, also known as angiopoietin-related protein 7, is member of the angiopoietin-like family of molecules. It is expressed in the corneal stroma, trabecular meshwork, and sclera. Its production is up-regulated in trabecular meshwork cells by glucocorticoids and TGF-Beta and in cartilage by TNF-alpha. Recombinant mouse ANGPTL7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography

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techniques.

Amino acid Sequence

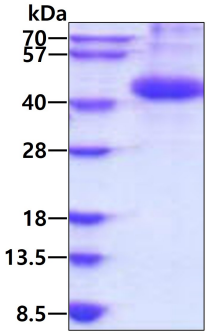
QKPHKRKTQL KAAGCCEEMR ELKAQVANLS SLLGELSRKQ ESDWVSVVMQ VMELESSSKH MESRLSTAES KYSEMNNQID IMQLQAAQTV TQTSADAIYD CSSLYQKNYR ISGVYKLPPD EFLGSPELEV FCDMETSGGG WTIIQRRKSG LVSFYQDWRQ YKQGFGSIRG DFWLGNEHIH RLTRQPSRLR VELEDWEGNA RYAEYSYFAL GNELNSYRLF LGNYSGNVGK DALLYHNNTV FSTKDKDNDN CLDKCAQLRK GGYWYNCCTD SNLNGVYYRL GEHRKHMDGI SWYGWHGANY SLKRVEMKIR PEAFKP<LEHH HHHH>

General References

Oike. Y. et al., (2009) Circ. 73:2192.
Kuchtey. J. et al., (2008) Invest. Optalmol. Vis. Sci 49:3438.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain