

Recombinant mouse EGF-L6 protein

Catalog Number: ATGP3860

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

287-550aa

UniProt No.

Q9JJZ5

NCBI Accession No.

NP_062270

Alternative Names

Epidermal growth factor-like protein 6, EGF-L6, Egfl6, Maeg

PRODUCT SPECIFICATION

Molecular Weight

31.1 kDa (273aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 95% 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

EGF-L6, also known as epidermal growth factor-like protein 6, is a member of the EGF repeat superfamily of proteins. This protein is expressed in fetal tissues during early development such as lung, heart, liver, spleen, cochlea, and placenta. This protein is expressed by epidermal stem cells in the hair follicle bulge and play a role in hair follicle morphogenesis through binding integrin alpha-8/beta-1. It is also produced by mature adipocytes

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and is thought to be involved in the process of adipose tissue expansion and the development of obesity. Recombinant mouse EGF-L6 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

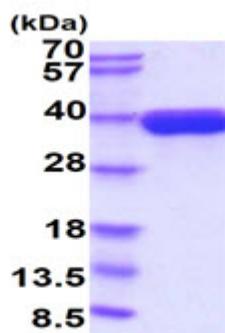
ADLTMKMKKVK LKMVTPRPAS TRVPKVNLPY SSEEGVSRGR NYDGEQKKKE EGKRERLEEE KGEKTLRNEV EQERTLRGDV
FSPKVNEAED LDLVYVQRKE LNSKLKHKDL NISVDCSFDL GVCDWKQDRE DDFDWHPADR DNDVGYYMAV PALAGHKKNI
GRLKLLPNL TPQSNFCLLF DYRLAGDKVG KLRVFKNSN NALAWEETKN EDGRWRTGKI QLYQGIDTTK SVIFEAERGK
GKTGEIAVDG VLLVSGLCPD DFLSVEGHHH HHH

General References

Wang X., et al, (2012) PLoS One. 7:e52707.
Bai S., et al, (2016) Cancer Res. 76:6396-6409.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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