

Human EGFL6 / EGF-L6 Protein (Flag & His Tag)

Catalog Number: 10867-H18B



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Biological Solution Specialist

General Information

Gene Name Synonym:

MAEG; W80; Maeg

Protein Construction:

A DNA sequence encoding the human EGFL6 (NP_056322.2) (Asn22-Asp553) was expressed with the flag tag at the N-terminus and the histidine tag at the C-terminus.

Source: Human

Expression Host: Baculovirus-insect cells

QC Testing

Purity: > 65 % as determined by SDS-PAGE

Bio Activity:

Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells. When 5×10^4 cells/well are added to CD4-coated plates (1.25 µg/mL and 100 µL/well), approximately 40%-60% will adhere specifically after 30 minutes at 37°C.

Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human EGFL6 consists of 551 amino acids and has a calculated molecular mass of 61.5 kDa.

Formulation:

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 20 % glycerol, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

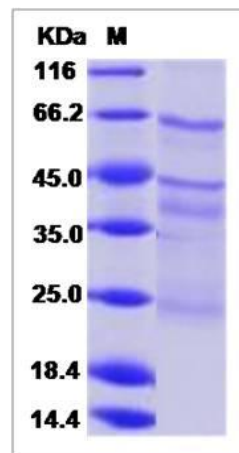
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

EGFL6, also known as EGF-L6, belongs to the epidermal growth factor (EGF) repeat superfamily. Members of this superfamily are characterized by the presence of EGF-like repeats and are often involved in the regulation of cell cycle, proliferation, and developmental processes. EGFL6 contains a signal peptide, suggesting that it is secreted; an EGF repeat region consisting of 4 complete EGF-like repeats and 1 partial EGF-like repeat, 3 of which have a calcium-binding consensus sequence; an arg-gly-asn integrin association motif; and a MAM domain, which is believed to have an adhesive function. EGFL6 gene is expressed early during development, and its expression has been detected in lung and meningioma tumors.

References

1. Kimura K. et al., 2006, Genome Res. 16 (1): 55-65.
2. Lee SH. et al., 2008, Pathology. 40 (1): 95-7.
3. Oberauer R. et al., 2010, Mol Cell Biochem. 343 (1-2): 257-69.

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