# Recombinant Human EGFL7

**Cat No:HR2R1338**

For research use only

## Overview

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|---|---|
| Quantity | 25 ?g |
| Gene Symbol | EGFL7 |
| Gene ID | 51162 |
| Accession | Q9UHF1 |
| Alternative Name | EGF-like protein 7, Multiple epidermal growth factor-like domains protein 7, MEGF7, EGF-L7, NOTCH4-like protein, Vascular endothelial statin, VE-statin, Zneu1<br/>Recombinant Human Epidermal Growth Factor-Like Protein 7 (EGFL7) |
| Species | Human |
| Source | Insect cells |
| Description | EGFL7 is an 31 kDa secreted protein that contains an Emilin-like (EMI) domain, and two epidermal growth factor (EGF) domains - one of which binds calcium. Based on these domains, it has been hypothesized that EGFL7 may self-assemble, similar to extracellular matrix (ECM) proteins and, thus, incorporate into ECM. EGFL7 has been reported to stimulate cell adhesion as well as motility in a manner similar to ECM proteins. EGFL7 has been shown to be primarily expressed by developing ECs but also by primordial germ cells and some central nervous system neurons. Interestingly, EGFL7 expression markedly decreases in ECs in postnatal life, but can be strongly up-regulated after various tissue injuries that lead to increased angiogenic responses. |
| Functions | The activity was determined by the ability to bind human NOTCH1 in functional ELISA. |
| Formulation | Recombinant Human EGFL7 is lyophilized from a 0.2 ?m filtered solution (pH 7.0) in 100 mM glycine, 10 mM NaCl, 10% glycerol and 5% trehalose. |
| Solubility | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers. |
| Appearance | Lyophilized Powder |
| Molecular Weight | 31 |
| Purity | >95% as determined by SDS-PAGE |
| Concentration | <1.0 EU/?g of recombinant protein as determined by the LAL method |
| Shipping Condition | Ambient Temperature |
| Storage Condition | This protein can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |