

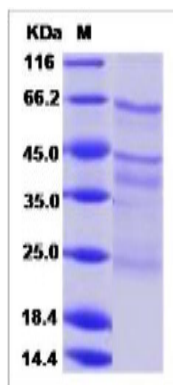
EGFL6

Recombinant Human EGF-like Protein 6 (Flag & His Tag)

Catalog No.	CRH571A-His2 CRH571B-His2	Quantity:	20 µg 100 µg
Alternate Names:	Epidermal growth factor-like protein 6, EGF-like protein 6, MAM and EGF domains-containing gene protein		
Description:	EGF-like Protein 6, 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-asp 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.		
UniProt ID:	Q8IUX8		
Accession Number:	NP_056322.2		
Protein Construction:	A DNA sequence encoding the human EGFL6 (Asn22-Asp553) was expressed with the flag tag at the N-terminus and the histidine tag at the C-terminus.		
Source:	Baculovirus-Insect Cells		
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.		
Molecular Weight:	The recombinant human EGFL6 consists of 551 amino acids and has a calculated molecular mass of 61.5 kDa.		
Purity:	> 65 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method.		
Biological 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.		
Predicted N-terminal:	Met		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



SDS-PAGE



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