Data Sheet (Cat.No.TMPY-00078)

TargetMol

EGFL6 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Egfl6;MGC141463;Maeg;EGF-like-domain, multiple 6
Protein Construction:	A DNA sequence encoding the mouse Egfl6 (NP_062270.1) (Thr287-Gly550) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Thr 287
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q9JJZ5
Molecular Weight:	31.5 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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-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.

Reference

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481