SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human EGF (Epidermal growth factor) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1384J**
This product is for research use only and is not intended for diagnostic use.

This product is a 32.6 kDa Human EGF membrane protein expressed in E.coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
EGF

Protein Length
Partial (977-1023aa)

Protein Class
Ion Channel

Molecular Weight
32.6 kDa

Sequence
PLSHDGYCLHDGVCMYIEALDKYACNCVVGYIGERCQYRDLKWWELR

Product Description

Expression Systems
E.coli

Tag
N-GST

Form
Liquid or Lyophilized powder

Reconstitution
Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

EGF

Full Name

Epidermal growth factor

Introduction

This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. This protein acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Alternative Names

Beta urogastrone; beta-urogastrone; EGF; EGF_HUMAN; Epidermal growth factor; HOMG4; OTTHUMP00000219721; OTTHUMP00000219722; Pro epidermal growth factor; URG; Urogastrone

Gene ID

1950

UniProt ID

P01133