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 Pichia pastoris for Antibody Discovery

Cat. No.: **MP0024Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 31.1 kDa Human EGF membrane protein expressed in Pichia pastoris. 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

Protein Class
Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

Molecular Weight
31.1 kDa

TMD
1

Sequence
MLLTLIILLPVVSKFSFVSLSAPQHWSCPEGTLAGNGNSTCVGPAPFLIFSHGNSIFRIDTEGTNYEQLVVDAGVSVIMDFHYNEKRIY

Product Description

Expression Systems
Pichia pastoris

Form
Powder

Purity
>95% pure by SDS-PAGE (compares with reference lot).

Buffer

20mM Tris-HCl buffer containing 150mM Sodium Chloride, pH 7.5 with no preservatives

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

HOMG4; URG; pro-epidermal growth factor; beta-urogastrone; EGF; Secreted frizzled-related protein 1; FRP-1; sFRP-1; Secreted apoptosis-related protein 2; SARP-2

Gene ID

1950

UniProt ID

P01133

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