

Recombinant Full Length Human EMP2 Protein, GST-tagged

Cat. No. EMP2-4250HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EMP2 full-length ORF (NP_001415.1, 1 a.a. - 167 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	167 amino acids
Description	This gene encodes a tetraspan protein of the PMP22/EMP family. The encoded protein regulates cell membrane composition. It has been associated with various functions including endocytosis, cell signaling, cell proliferation, cell migration, cell adhesion, cell death, cholesterol homeostasis, urinary albumin excretion, and embryo implantation. It is known to negatively regulate caveolin-1, a scaffolding protein which is the main component of the caveolae plasma membrane invaginations found in most cell types. Through activation of PTK2 it positively regulates vascular endothelial growth factor A. It also modulates the function of specific integrin isomers in the plasma membrane. Up-regulation of this gene has been linked to cancer progression in multiple different tissues. Mutations in this gene have been associated with nephrotic syndrome type 10 (NPHS10). [provided by RefSeq, Mar 2015]
Molecular Mass	45.6 kDa
AA Sequence	MLVLLAFIIAFHITSAALLFIATVDNAWWVGDEFFADVWRICTNNTNCTVINDSFQEYS TLQAVQATMILSTILCCIAFFIFVLQLFRLKQGERFVLTSIIQLMSCLCVMIAASIYTD RR

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EDIHDKNAKFYPVTREGSYGYSYILAWVAFACTFISGMMYLILRKRK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EMP2 epithelial membrane protein 2 [Homo sapiens]

Official Symbol

EMP2

Synonyms

EMP2; epithelial membrane protein 2; XMP; EMP-2; MGC9056;

Gene ID

2013

mRNA Refseq

NM_001424

Protein Refseq

NP_001415

MIM

602334

UniProt ID

P54851

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