

Recombinant Human EMP2 Protein, GST-tagged

Cat. No. EMP2-3287H **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	Wheat Germ
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 TLQAVQATMILSTILCCIAFFIFVLQLFRLKQGERFVLTSIIQLMSCLCVMIAASIYTDRR EDIHDKNAKFYPVTREGSYGYSYILAWVAFACTFISGMMYLILRKRK

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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

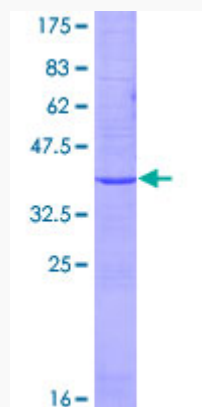
Gene Name	EMP2 epithelial membrane protein 2 [Homo sapiens]
Official Symbol	EMP2
Synonyms	EMP2; epithelial membrane protein 2; XMP; EMP-2; MGC9056;
Gene ID	2013
mRNA Refseq	NM_001424
Protein Refseq	NP_001415
MIM	602334
UniProt ID	P54851

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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