

## Product datasheet for **TP301995M**

### EMP2 (NM\_001424) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human epithelial membrane protein 2 (EMP2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201995 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MLVLLAFIIAFHITSAALLFIATVDNAWWVGDEFFADVWRICTNNTNCTVINDSFQEYSTLQAVQATMIL STILCCIAFFIVLQLFRLKQGERFVLTSIIQLMSCLCVMIAASIYTDREIDHDKNAKFYPVTREGSYG YSYLAWVAFACTFISGMMYLILRKRK
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	19 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001415</a></u>
Locus ID:	2013
UniProt ID:	<u><a href="#">P54851</a></u> , <u><a href="#">Q7Z4B3</a></u>
RefSeq Size:	5186



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Cytogenetics: 16p13.13

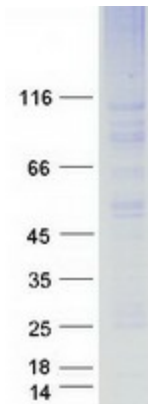
RefSeq ORF: 501

Synonyms: XMP

**Summary:** 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]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified EMP2 protein (Cat# [TP301995]). The protein was produced from HEK293T cells transfected with EMP2 cDNA clone (Cat# [RC201995]) using MegaTran 2.0 (Cat# [TT210002]).