

## Product datasheet for PH310261

### TMEPAI (PMEPA1) (NM\_199171) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PMEPA1 MS Standard C13 and N15-labeled recombinant protein (NP_954640)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210261
Predicted MW:	27.9 kDa
Protein Sequence:	>RC210261 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAELEFVQIIIVVMMVMVVITCLLSHYKLSARSFISWHSQGRREDALSSEGCLWPSESTVSGNGIP EPQVYAPRPTDRLAVPPFAQRERFHRFQPTYPLQHEIDLPTISLSDGEEPPYQGPCTLQLRDPEQQ LELNRESVRAPPNRTIFDSLMD SARLGGPCPPSSNSGISATCYGSGRMEGPPPTYSEVIGHYPGSSFQ HQSSGPPSLLEGTRLHHTHIAPLESAAIWSKEKDKQKGHPL  <b>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_954640</a>
RefSeq Size:	4645
RefSeq ORF:	759
Synonyms:	STAG1; TMEPAI
Locus ID:	56937
UniProt ID:	<a href="#">Q969W9</a>



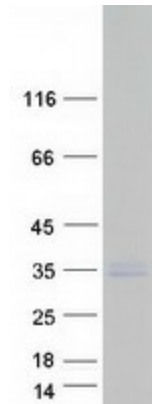
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**Cytogenetics:** 20q13.31

**Summary:** This gene encodes a transmembrane protein that contains a Smad interacting motif (SIM). Expression of this gene is induced by androgens and transforming growth factor beta, and the encoded protein suppresses the androgen receptor and transforming growth factor beta signaling pathways through interactions with Smad proteins. Overexpression of this gene may play a role in multiple types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Protein Families:** Druggable Genome, Transmembrane

**Product images:**



Coomassie blue staining of purified PMEPA1 protein (Cat# [TP310261]). The protein was produced from HEK293T cells transfected with PMEPA1 cDNA clone (Cat# [RC210261]) using MegaTran 2.0 (Cat# [TT210002]).