

## Product datasheet for PH320050

### TMIE (NM\_147196) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TMIE MS Standard C13 and N15-labeled recombinant protein (NP_671729)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220050
Predicted MW:	17.1 kDa
Protein Sequence:	>RC220050 protein sequence Red=Cloning site Green=Tags(s)  MAGWPGAGPLCVLGGAALGVCLAGVAGQLVEPSTAPPKPKPPPLTKETVVFWMRLWHVVGIFSLFVLSI IITLCCVFNCRVPRTRKEIEARYLQRKAAKMYTDKLETVPPLNELTEVPGEDKKKKKKKKDSVDTVAIKV EEDEKNEAKKKKGEK  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_671729</a>
RefSeq Size:	1861
RefSeq ORF:	465
Synonyms:	DFNB6
Locus ID:	259236
UniProt ID:	<a href="#">Q8NEW7</a>



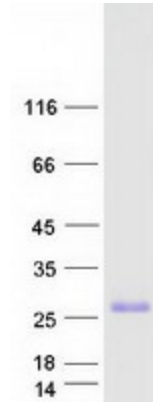
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**Cytogenetics:** 3p21.31

**Summary:** This gene encodes a transmembrane inner ear protein. Studies in mouse suggest that this gene is required for normal postnatal maturation of sensory hair cells in the cochlea, including correct development of stereocilia bundles. This gene is one of multiple genes responsible for recessive non-syndromic deafness (DFNB), also known as autosomal recessive nonsyndromic hearing loss (ARNSHL), the most common form of congenitally acquired inherited hearing impairment. [provided by RefSeq, Mar 2009]

**Protein Families:** Transmembrane

**Product images:**



Coomassie blue staining of purified TMIE protein (Cat# [TP320050]). The protein was produced from HEK293T cells transfected with TMIE cDNA clone (Cat# [RC220050]) using MegaTran 2.0 (Cat# [TT210002]).