

## Product datasheet for PH307629

### FAM119A (METTL21A) (NM\_145280) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FAM119A MS Standard C13 and N15-labeled recombinant protein (NP_660323)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207629
Predicted MW:	24.6 kDa
Protein Sequence:	>RC207629 protein sequence Red=Cloning site Green=Tags(s)  MALVPYEETTEFGLQKFKHPLATFSFANHTIQIRQDWRHLGVAAVVWDAIIVLSTYLEMGAVELRGRSAV ELGAGTGLVGIVAALLGAHVITDRKVALEFLKSNVQANLPPHIQTKTVVKELTWGQNLGSFSPGEFDLI LGADIIYLEETFDLLQTLHLCSNHSVILLACRIRYERDNNFLAMLERQFIVRKVHYDPEKDVHIYEAQ KRNQKEDL  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_660323</a>
RefSeq Size:	4748
RefSeq ORF:	654
Synonyms:	FAM119A; HCA557b; HSPA-KMT
Locus ID:	151194
UniProt ID:	<a href="#">Q8WXB1</a>

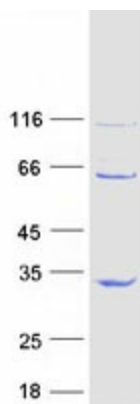


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Cytogenetics: 2q33.3

**Summary:** Protein-lysine methyltransferase that selectively trimethylates residues in heat shock protein 70 (HSP70) family members. Contributes to the in vivo trimethylation of Lys residues in HSPA1 and HSPA8. In vitro methylates 'Lys-561' in HSPA1, 'Lys-564' in HSPA2, 'Lys-585' in HSPA5, 'Lys-563' in HSPA6 and 'Lys-561' in HSPA8.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified METTL21A protein (Cat# [TP307629]). The protein was produced from HEK293T cells transfected with METTL21A cDNA clone (Cat# [RC207629]) using MegaTran 2.0 (Cat# [TT210002]).