Product datasheet for PH317381

FAM36A (COX20) (NM_198076) Human Mass Spec Standard

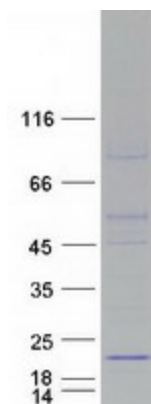## Product data:

Product Type:	Mass Spec Standards
Description:	FAM36A MS Standard C13 and N15-labeled recombinant protein (NP_932342)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217381
Predicted MW:	13.3 kDa
Protein Sequence:	>RC217381 protein sequence Red=Cloning site Green=Tags(s) MAAPPEPGEPEERKSLKLLGFLDVENTPCARHSILYGSLGSVVAGFGHFLFTSRIRRSCDVGVGGFILVT LGCWFHCRYNYAKQRIQERIAREEIKKKILYEGTHLDPERKHNGSSSN 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:	NP_932342
RefSeq Size:	2632
RefSeq ORF:	354
Synonyms:	FAM36A; MC4DN11
Locus ID:	116228
UniProt ID:	Q5RI15, B3KM21
Cytogenetics:	1q44

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Summary: This gene encodes a protein that plays a role in the assembly of cytochrome C oxidase, an important component of the respiratory pathway. It contains two transmembrane helices and localizes to the mitochondrial membrane. Mutations in this gene can cause mitochondrial complex IV deficiency, which results in ataxia and muscle hypotonia. There are multiple pseudogenes for this gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Product images:

Coomassie blue staining of purified COX20 protein (Cat# [TP317381]). The protein was produced from HEK293T cells transfected with COX20 cDNA clone (Cat# [RC217381]) using MegaTran 2.0 (Cat# [TT210002]).