

Product datasheet for PH301274

Sarcosine Oxidase (PIPOX) (NM_016518) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PIPOX MS Standard C13 and N15-labeled recombinant protein (NP_057602)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201274
Predicted MW:	44.1 kDa
Protein Sequence:	>RC201274 protein sequence Red=Cloning site Green=Tags(s)

MAAQKDLWDAIVIGAGIQGCFAYHLAKHRKRILLLEQFFLPHSRGSSHGQSRIIRKAYLEDFYTRMMHE
CYQIWAQLEHEAGTQLHRQTGLLLLGMKENQELKTIQANLSRQRVEHQCLSSEELKQRFNIRLPRGEVG
LLDNSGGVIYAYKALRALQDAIRQLGGIVRDGEKVVEINPGLLVTKTTSRSYQAKSLVITAGPWTNQLL
RPLGIEMPLQTLRINVCYWREMPGVSQAFPCFLWGLCPHHIYGLPTGEYPGLMKVSYHHGNHADP
EERDCPTARTDIGDVQILSSFVRDHLPLDKPEPAVIESCMYTNTPEQFILDHRPKYDNIIVIGAGFSGHG
FKLAPVVGKILYELSMKLTPSYDLAPFRISRFPSTLGAHL

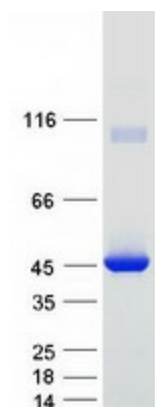
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_057602</u>
RefSeq Size:	2412
RefSeq ORF:	1170
Synonyms:	LPIPOX
Locus ID:	51268



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UniProt ID:	Q9P0Z9
Cytogenetics:	17q11.2
Summary:	Metabolizes sarcosine, L-pipecolic acid and L-proline.[UniProtKB/Swiss-Prot Function]
Protein Families:	Transmembrane
Protein Pathways:	Glycine, serine and threonine metabolism, Lysine degradation, Metabolic pathways

Product images:

Coomassie blue staining of purified PIPOX protein (Cat# [TP301274]). The protein was produced from HEK293T cells transfected with PIPOX cDNA clone (Cat# [RC201274]) using MegaTran 2.0 (Cat# [TT210002]).