

Recombinant Full Length Human PIPOX Protein, C-Flag-tagged

Cat. No. PIPOX-1184HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PIPOX Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables L-pipecolate oxidase activity and sarcosine oxidase activity. Involved in L-lysine catabolic process to acetyl-CoA via L-pipecolate. Located in peroxisome.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.9 kDa
AA Sequence	MAAQKDLWDAIVIGAGIQGCFTAYHLAKHRKRILLLEQFFLPHSRGSSHGQSRIIRKA YLEDFYTRMMHE CYQIWAQLEHEAGTQLHRQTGLLLLGMKENQELKTIQANLSRQ RVEHQCLSSEELKQRFNPRLPRGEVG LLDNSGGVIYAYKALRALQDAIRQLGGIVR DGEKVVEINPGLLVTVKTTSRSYQAKSLVITAGPWTNQLL RPLGIEMPLQTLRINVCY WREMVPGSYGVSQAFPCFLWLGLCPHHIYGLPTGEYPGLMKVSYHHGNHADP EE RDCPTARTDIGDVQILSSFVRDHLPLDKPEPAVIESCMYTNTPDEQFILDRHPKYDNI VIGAGFSGHG FKLAPVVGKILYELSMKLTPSYDLAPFRISRFP SLGKAHLTRTRPLEQKLISEEDLAAN DILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Glycine, serine and threonine metabolism, Lysine degradation, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	PIPOX pipecolic acid and sarcosine oxidase [Homo sapiens (human)]
Official Symbol	PIPOX
Synonyms	LPIPOX
Gene ID	51268
mRNA Refseq	NM_016518.3
Protein Refseq	NP_057602.2

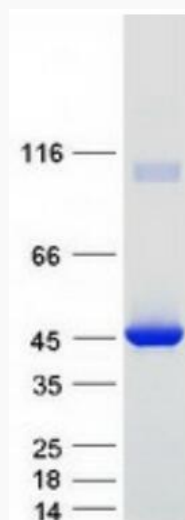
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MIM 616713

UniProt ID Q9P0Z9



Coomassie blue staining of purified PIPOX protein.

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