

Product datasheet for TP312627L

OriGene Technologies, Inc.

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POF1B (NM_024921) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human premature ovarian failure, 1B (POF1B), 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC212627 representing NM_024921 or AA Sequence: Red=Cloning site Green=Tags(s)

MSSSYWSETSSSSCGTQQLPEVLQCQPQHYHCYHQSSQAQQPPEKNVVYERVRTYSGPMNKVVQALDP

FΝ

SREVLSPLKTTSSYQNLVWSDHSQELHSPTLKISTCAPSTLHITQNTEQELHSPTVKLTTYPQTTIRKYV VQNPEQEPLSQFLRGSHFFPGNNVIYEKTIRKVEKLNTDQGCHPQAQCHHHIIQQPQVIHSAHWQQPDS

S

QQIQAITGNNPISTHIGNELCHSGSSQICEQVIIQDDGPEKLDPRYFGELLADLSRKNTDLYHCLLEHLQ RIGGSKQDFESTDESEDIESLIPKGLSEFTKQQIRYILQMRGMSDKSLRLVLSTFSNIREELGHLQNDLT SLENDKMRLEKDLSFKDTQLKEYEELLASVRANNHQQQQGLQDSSSKCQALEENNLSLRHTLSDMEYRL

Κ

ELEYCKRNLEQENQNLRMQVSETCTGPMLQAKMDEIGNHYTEMVKNLRMEKDREICRLRSQLNQYHKD

٧S

KREGSCSDFQFKLHELTSLLEEKDSLIKRQSEELSKLRQEIYSSHNQPSTGGRTTITTKKYRTQYPILGL

LYDDYEYIPPGSETQTIVIEKTEDKYTCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 67.9 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.





RefSeq ORF:

POF1B (NM_024921) Human Recombinant Protein - TP312627L

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 079197

 Locus ID:
 79983

 UniProt ID:
 Q8WVV4

 RefSeq Size:
 3942

 Cytogenetics:
 Xq21.1

Synonyms: POF; POF2B

1767

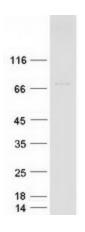
Summary: Premature ovarian failure (POF) is characterized by primary or secondary amenorrhea in

women less than 40 years old. Two POF susceptibility regions called "POF1" and "POF2" have been identified by breakpoint mapping of X-autosome translocations. POF1 extends from Xq21-qter while POF2 extends from Xq13.3 to Xq21.1. This gene, POF1B, resides in the POF2

region. This gene is expressed at trace levels in mouse prenatal ovary and is barely detectable or absent from adult ovary, in human and in the mouse respectively. This gene's expression is restricted to epithelia with its highest expression in the epidermis, and oropharyngeal and gastro-intestinal tracts. The protein encoded by this gene binds non-muscle actin filaments. The role this gene may play in the etiology of premature ovarian failure

remains to be determined. [provided by RefSeq, Jan 2010]

Product images:



Coomassie blue staining of purified POF1B protein (Cat# [TP312627]). The protein was produced from HEK293T cells transfected with POF1B cDNA clone (Cat# [RC212627]) using MegaTran 2.0 (Cat# [TT210002]).