

Product datasheet for PH302917

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Pet1 (FEV) (NM_017521) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: FEV MS Standard C13 and N15-labeled recombinant protein (NP_059991)

Species: Human Expression Host: HEK293

Expression cDNA Clone

RC202917

or AA Sequence: Predicted MW:

24.8 kDa

Protein Sequence: >RC202917 representing NM_017521

Red=Cloning site Green=Tags(s)

MRQSGASQPLLINMYLPDPVGDGLFKDGKNPSWGPLSPAVQKGSGQIQLWQFLLELLADRANAGCIAWEG GHGEFKLTDPDEVARRWGERKSKPNMNYDKLSRALRYYYDKNIMSKVHGKRYAYRFDFQGLAQACQPPPA HAHAAAAAAAAAAAAAQDGALYKLPAGLAPLPFPGLSKLNLMAASAGVAPAGFSYWPGPGPAATAAAATAA

LYPSPSLQPPPGPFGAVAAASHLGGHYH

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: <u>NP 059991</u>

RefSeq Size: 1901 RefSeq ORF: 714

Synonyms: HSRNAFEV; PET-1

Locus ID: 54738 **UniProt ID:** Q99581





Cytogenetics: 2q35

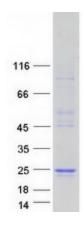
Summary: This gene belongs to the ETS transcription factor family. ETS family members have a highly

conserved 85-amino acid ETS domain that binds purine-rich DNA sequences. The alanine-rich C-terminus of this gene indicates that it may act as a transcription repressor. This gene is exclusively expressed in neurons of the central serotonin (5-HT) system, a system implicated in the pathogeny of such psychiatric diseases as depression, anxiety, and eating disorders. In some types of Ewing tumors, this gene is fused to the Ewing sarcoma (EWS) gene following

chromosome translocations. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified FEV protein (Cat# [TP302917]). The protein was produced from HEK293T cells transfected with FEV cDNA clone (Cat# [RC202917]) using MegaTran 2.0 (Cat# [TT210002]).