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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PEO1 (Human) Recombinant Protein (P01)

Catalog Number: H00056652-P01

Regulation Status: For research use only (RUO)

Product Description: Human PEO1 full-length ORF (AAH33762.1, 1 a.a. - 506 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MFGLTKVTDDTLKRFSVRYLRPARSLVFPWFSPGGSG
LRGLKLEAKCQGDGVSYEETTIPRPSAYHNLFGPLIS
RRDAEVVLTRELDLALNQSTGLPTLTLPRGTTCLPP
ALLPYLEQFRRIVFWLGDDLRSWEAAKLFARKLNPKR
CFLVRPGDQQPRPLEALNGGFNLSRILRTALPAWHKSI
VSFRQLREEVLGELSNVEQAAGLRWSRFPDLNRILKG
HRKGELTVFTGPTGSGKTTFFISEYALDLC SQGVNTLW
GSFEISNRLARVMLTQFAEGRLEDQLDKYDHWADRF
EDLPLYFMTFHGQQSIRTVIDTMQHAVYVYDICHVIIDN
LQFMMGHEQLSTDRIAAQDYIIGVFRKFATDNNCHVTL
VIHPRKEDDDKELQTASIFGSAKASQEADNVLILQDRK
LVTGPGKRYLQVSKNRFDDGVDGVFPLEFNKNSLTFSIP
PKNKARLKKIKDDTGPVAKKPSSGKKGATTQNSEICSG
QAPTPDQPDTSKRSK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 83.4

Interspecies Antigen Sequence: Mouse (89); Rat (88)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 56652

Gene Symbol: C10orf2

Gene Alias: ATXN8, FLJ21832, IOSCA, PEO, PEO1, PEOA3, SANDO, SCA8, TWINL

Gene Summary: This gene encodes a hexameric DNA helicase which unwinds short stretches of double-stranded DNA in the 5' to 3' direction and, along with mitochondrial single-stranded DNA binding protein and mtDNA polymerase gamma, is thought to play a key role in mtDNA replication. The protein localizes to the mitochondrial matrix and mitochondrial nucleoids. Mutations in this gene cause infantile onset spinocerebellar ataxia (IOSCA) and progressive external ophthalmoplegia (PEO) and are also associated with several mitochondrial depletion syndromes. Alternative splicing results in multiple transcript variants encoding distinct isoforms]