

PRODUCT DATA SHEET

Paraoxonase 1 Human E. coli

Cat. No.: RD172279100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

Other Names:

Arylesterase 1, PON 1, Aromatic Esterase 1, A-Esterase 1, K-45, Serum
Aryldialkylphosphatase 1

Description:

Total 362 AA. MW: 40.68 kDa (calculated). UniProtKB acc.no. P27169 (Met1-Leu355).
C-terminal His-tag (7 extra AA). Protein identity confirmed by MS.

Amino Acid Sequence:

MAKLIALTLL GMGLALFRNH QSSYQTRLNA LREVQPVELP NCNLVKGIEG GSEDLEILPN
GLAFISSGLK YPGIKSFNPN SPGKILLMDL NEEDPTVLEL GITGSKFDVS SFNPHGISTF
TDEDNAMYLL VVNHPDAKST VELFKFQEEE KLLHLKLTIR HKLLPNLNDI VAVGPEHFYQ
TNDHYFLDPY LQSWEMYLGL AWSYVVYYSP SEVRVVAEGF DFANGINISP DGKYVYIAEL
LAHKIHVYEK HANWTLTPLK SLDFNTLVDN ISVDPETGDL WVGCHPNGMK IFFYDSENPP
ASEVLRIQNI LTEEPKVTQV YAENGTVLQG STVASVYKGG LLIGTVFHKA LYCELEHHHH HH

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/mL in 20mM Tris buffer, 50 mM NaCl,
pH 7.5

Reconstitution:

Add 200μl of deionized water to prepare a working stock solution of approximately
0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature
recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the
expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated
freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein
can be stored at 4 °C for a week.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.