

Product datasheet for LY419553

OriGene Technologies, Inc.

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Glutathione Peroxidase 4 (GPX4) (NM 002085) Human Over-expression Lysate

Product data:

Product Type: Over-expression Lysates

Description: Transient overexpression lysate of glutathione peroxidase 4 (phospholipid hydroperoxidase)

(GPX4), transcript variant 1

Species: Human
Expression Host: HEK293T

Expression cDNA Clone

or AA Sequence:

TrueORF Clone RC208065

Tag: C-Myc/DDK

Detection Antibodies: Clone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)

ACCN: <u>NM 002085</u>, <u>NP 002076</u>

Synonyms: GPx-4; GSHPx-4; MCSP; PHGPx; SMDS; snGPx; snPHGPx

Predicted MW: 22.1 kDa

Components: 1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer

1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer

1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%

Bromophenol blue, 100mM DTT)

Storage: The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after

dilution, the protein sample should be aliquoted and stored at -80°C for long term storage. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. Lysate samples are stable for 12 months from the date of receipt when stored at -

80°C.

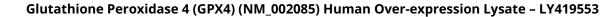
Preparation: HEK293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection

Reagent (TT200002) and 5ug <u>TrueORF</u> cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C

before shipping.

RefSeg: NP 002076





Locus ID: 2879

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Cytogenetics: 19p13.3

Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Glutathione metabolism