

Recombinant Human GPX3 Protein, His-tagged

GPX3-5310H Human

Lot. No. (See product label)

Specification

Product Overview Human GPX3 (NP_002075, 21 a.a. - 226 a.a.) partial recombinant protein with His tag expressed in Escherichia coli.

Description This gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. [provided by RefSeq]

Source E. coli

Species Human

Tag His

Form Liquid

Molecular Mass 25.7 kDa

AA Sequence MGSSHHHHHHSSGLVPRGSHMQSRGQEKSKMDCHGGISGTIYEGALTIDGEEYIPFKQYAGK
YVLFVNVASYCGLTGQYIELNALQEELAPFGLVILGFPCNQFGKQEPGENSEILPTLKYVRPGGGF
VPNFQLFEKGDVNGEKEKQFYTLKNSCPPTSELLGTSDRLFWEPMKVHDIRWNFEKFLVGPDG
IPIMRWHHRRTTVSNVKMDILSYMRRQAALGVKRK

Purity >85% by SDS-PAGE

Applications SDS-PAGE

Storage Store at 4 centigrade for 1-2 weeks. For long term storage store at -20 centigrade or -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Concentration 0.25 mg/mL

Storage Buffer In 20 mM Tris-HCl, 150 mM NaCl, pH 7.5 (40% glycerol, 1 mM DTT)

Gene Information

Gene Name [GPX3 glutathione peroxidase 3 \(plasma\) \[Homo sapiens \]](#)

Official Symbol [GPX3](#)

Synonyms GPX3; glutathione peroxidase 3 (plasma); glutathione peroxidase 3; GPx-3; plasma glutathione peroxidase; extracellular glutathione peroxidase; GPx-P; GSHPx-3; GSHPx-P;

For Research Use Only

Creative BioMart. All rights reserved

45-1 Ramsey Road, Shirley, NY 11967, USA

Tel: +1-631-559-9269 Fax: +1-631-938-8127

E-mail: info@creative-biomart.com

www.creativebiomart.net

Gene ID	2878
mRNA Refseq	NM_002084
Protein Refseq	NP_002075
MIM	138321
UniProt ID	P22352

For Research Use Only