Product datasheet for PH307428

Glutathione Peroxidase 7 (GPX7) (NM_015696) Human Mass Spec Standard

Product data:

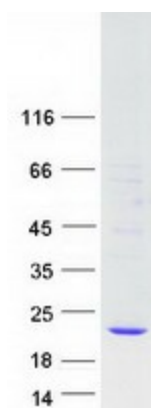|	
Product Type:	Mass Spec Standards
Description:	GPX7 MS Standard C13 and N15-labeled recombinant protein (NP_056511)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207428
Predicted MW:	21 kDa
Protein Sequence:	>RC207428 protein sequence Red=Cloning site Green=Tags(s) MVAATVAAAWLLLWAAACAQQEQDFYDFKAVNIRGKLVSLEKYRGSVSLVVNVASECGFTDQHYRALQQL QRDLGPHHFNVLAFPCNQFGQQEPDSNKEIESFARRTYSVSFPMFSKIAVTGTGAHPAFKYLAQTSGKEP TWNFWKYLVAPDGKVVGAWDPTVSVEEVRPQITALVRKLILLKREDL 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:	NP_056511
RefSeq Size:	1246
RefSeq ORF:	561
Synonyms:	CL683; GPx-7; GPX6; GSHPx-7; NPGPx
Locus ID:	2882
UniProt ID:	Q96SL4

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Cytogenetics:	1p32.3
Summary:	It protects esophageal epithelia from hydrogen peroxide-induced oxidative stress. It suppresses acidic bile acid-induced reactive oxigen species (ROS) and protects against oxidative DNA damage and double-strand breaks.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Arachidonic acid metabolism, Glutathione metabolism

Product images:

Coomassie blue staining of purified GPX7 protein (Cat# [TP307428]). The protein was produced from HEK293T cells transfected with GPX7 cDNA clone (Cat# [RC207428]) using MegaTran 2.0 (Cat# [TT210002]).