

Product datasheet for PH310709

Peroxiredoxin 5 (PRDX5) (NM_012094) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRDX5 MS Standard C13 and N15-labeled recombinant protein (NP_036226)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210709
Predicted MW:	22 kDa
Protein Sequence:	>RC210709 protein sequence Red=Cloning site Green=Tags(s) MGLAGVICALRRSAGYILVGGAGGQSAAAAARRCSEGEWASGGVRSFSRAAAAMAPIKVGDAIPAVEVFEG EPGNKVNLAELFKGKGVLFVPGAFTPGCSKTHLPGFVEQAEALKAKGVQVVAQLSVNDAFVTGEWGRA HKAEGKVRLLADPTGAFGKETDLLLDDSLVSIIGNRRLKRFSMVVQDGIKALNVEPDGTGLTCSLAPNI ISQL 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_036226
RefSeq Size:	913
RefSeq ORF:	642
Synonyms:	ACR1; AOEB166; B166; HEL-S-55; PLP; PMP20; PRDX6; prx-V; PRXV; SBB110
Locus ID:	25824
UniProt ID:	P30044



[View online »](#)

Cytogenetics: 11q13.1

Summary: This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein interacts with peroxisome receptor 1 and plays an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. The use of alternate transcription start sites is thought to result in transcript variants that use different in-frame translational start codons to generate isoforms that are targeted to the mitochondrion (isoform L) or peroxisome/cytoplasm (isoform S). Multiple related pseudogenes have been defined for this gene. [provided by RefSeq, Nov 2017]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PRDX5 protein (Cat# [TP310709]). The protein was produced from HEK293T cells transfected with PRDX5 cDNA clone (Cat# [RC210709]) using MegaTran 2.0 (Cat# [TT210002]).