

## Product datasheet for PH302960

### QPRT (NM\_014298) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	QPRT MS Standard C13 and N15-labeled recombinant protein (NP_055113)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202960
Predicted MW:	30.8 kDa
Protein Sequence:	>RC202960 protein sequence Red=Cloning site Green=Tags(s)  MDAEGLLALLPPVTLAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSPGILAGQPPFDIAIFTQLNCQ VSWFLPEGSKLVPVARVAEVRGPAHCLLLGERVALNTLARCSGIASAAAAAVEAARGAGWTGHVAGTRKT TPGFRLVEKYGLLVGGAASHRYDLGGLVMKDNHVVAAGGVEKAVRAARQAADFALKVEECSSLQEAVQ AAEAGADLVLLDNFKPEELHPTATVLKAQFSPVAVEASGGITLDNLPQFCGPHIDVISMGMLTQAAPALD FSLKLFKEVAPVPKIH  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u><a href="#">NP_055113</a></u>
RefSeq Size:	1575
RefSeq ORF:	891
Synonyms:	HEL-S-90n; QPRTase
Locus ID:	23475



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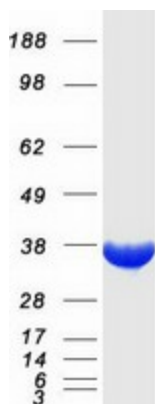
UniProt ID: [Q15274](#), [V9HWJ5](#), [B4DDH4](#)

Cytogenetics: 16p11.2

Summary: This gene encodes a key enzyme in catabolism of quinolinate, an intermediate in the tryptophan-nicotinamide adenine dinucleotide pathway. Quinolinate acts as a most potent endogenous excitotoxin to neurons. Elevation of quinolinate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism

### Product images:



Coomassie blue staining of purified QPRT protein (Cat# [TP302960]). The protein was produced from HEK293T cells transfected with QPRT cDNA clone (Cat# [RC202960]) using MegaTran 2.0 (Cat# [TT210002]).