Product datasheet for TP720230L

QPRT (NM_014298) Human Recombinant Protein

Product data:

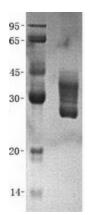|	
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human quinolinate phosphoribosyltransferase (QPRT)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-His297
Tag:	N-His
Predicted MW:	33 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_055113
Locus ID:	23475
UniProt ID:	Q15274, V9HWJ5, B4DDH4
Cytogenetics:	16p11.2
Synonyms:	HEL-S-90n; QPRTase
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 exitotoxin 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

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Product images: