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GLN1 Protein (Transcript Variant 3) (Myc-DYKDDDDK Tag)





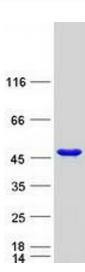
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Overview			
Quantity:	20 μg		
Target:	GLN1		
Protein Characteristics:	Transcript Variant 3		
Origin:	Human		
Source:	HEK-293 Cells		
Protein Type:	Recombinant		
Purification tag / Conjugate:	This GLN1 protein is labelled with Myc-DYKDDDDK Tag.		
Application:	Antibody Production (AbP), Standard (STD)		
Product Details			
Characteristics:	Recombinant human Glutamine synthetase (transcript variant 3) protein expressed in		
	HEK293 cells.Produced with end-sequenced ORF clone		
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining		
Target Details			
Target:	GLN1		
Alternative Name:	Glutamine Synthetase (GLN1 Products)		
Background:	The protein encoded by this gene belongs to the glutamine synthetase family. It catalyzes the		
	synthesis of glutamine from glutamate and ammonia in an ATP-dependent reaction. This		
	protein plays a role in ammonia and glutamate detoxification, acid-base homeostasis, cell		

Target Details

	signaling, and cell proliferation. Glutamine is an abundant amino acid, and is important to the biosynthesis of several amino acids, pyrimidines, and purines. Mutations in this gene are associated with congenital glutamine deficiency, and overexpression of this gene was observed in some primary liver cancer samples. There are six pseudogenes of this gene found on chromosomes 2, 5, 9, 11, and 12. Alternative splicing results in multiple transcript variants.		
Molecular Weight:	Veight: 41.9 kDa		
NCBI Accession:	NP_001028228		
Pathways:	Positive Regulation of Peptide Hormone Secretion		
Application Details			
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays		
Comment:	The tag is located at the C-terminal.		
Restrictions:	For Research Use only		
Handling			
Concentration:	50 μg/mL		
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.		
Storage:	-80 °C		
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.		



Western Blotting

Image 1. Validation with Western Blot