Datasheet for ABIN7318958

WDYHV1 Protein (GST tag)

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Overview

Quantity:	50 µg
Target:	WDYHV1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDYHV1 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human WDYHV1/NTAQ1 Protein (GST Tag)
Sequence:	Met 1-Cys205
Characteristics:	Recombinant Human Protein N-terminal glutamine amidohydrolase is produced by our E.coli expression system and the target gene encoding Met1-Cys205 is expressed with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	WDYHV1
Alternative Name:	WDYHV1/NTAQ1 (WDYHV1 Products)
Background:	Background: Human protein N-terminal glutamine amidohydrolase (WDYHV1) is an enzyme that in humans is encoded by the WDYHV1 gene, belongs to the NTAQ1 family.WDYHV1

Target Details

	mediates the side-chain deamidation of N-terminal glutamine residues to glutamate, which is an important step in N-end rule pathway of protein degradation. Conversion of the resulting N-terminal glutamine to glutamate renders the protein susceptible to arginylation, polyubiquitination and degradation as specified by the N-end rule. However,it does not act on substrates with internal or C-terminal glutamine andnon-glutamine residues in any position. With the exception of proline, all tested second-position residues on substrate peptides do not greatly influence the activity. In contrast, a proline at position 2, virtually abolishes deamidation of N-terminal glutamine. Synonym: Protein N-terminal glutamine amidohydrolase,WDYHV1,Protein NH2-terminal glutamine deamidase,N-terminal Gln amidase,Nt(Q)-amidase,C8orf32, NTAQ1
Molecular Weight:	49.8 kDa
UniProt:	Q96HA8

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of PBS,100 mM GSH,1 % TritonX-100,15 % Glycerol, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.