

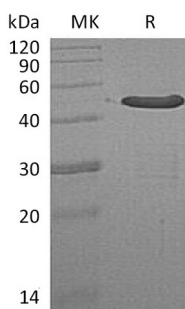
Product Name: Recombinant Human NTAQ1 (N-GST)
Catalog #: PEH1830



概述 (Summary)

英文全称	WDYHV1/Protein N-terminal glutamine amidohydrolase
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	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.
Accession #	AAH08781.1
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	49.8 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of PBS, 100mM GSH, 1% TritonX-100, 15% Glycerol, pH 7.4.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Protein N-terminal glutamine amidohydrolase; WDYHV1; Protein NH2-terminal glutamine deamidase; N-terminal Gln amidase; Nt(Q)-amidase; C8orf32; NTAQ1

背景介绍 (References)

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 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 and non-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.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.