

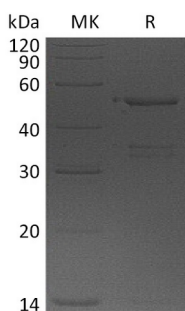
Product Name: Recombinant Human USP14 (N-6His)
Catalog #: PEH1777



概述 (Summary)

英文全称	Ubiquitin carboxyl-terminal hydrolase 14/USP14
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 Ubiquitin Carboxyl-Terminal Hydrolase 14 is produced by our E.coli expression system and the target gene encoding Asp91-Gln494 is expressed with a 6His tag at the N-terminus.
Accession #	P54578
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	48.45 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 20% Glycerol, pH 8.0.
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)

Ubiquitin Carboxyl-Terminal Hydrolase 14; Deubiquitinating Enzyme 14; Ubiquitin Thioesterase 14; Ubiquitin-Specific-Processing Protease 14; USP14; TGT

背景介绍 (References)

Ubiquitin Carboxyl-Terminal Hydrolase 14 (USP14) belongs to the ubiquitin-specific processing (USP) family which is a deubiquitinating enzyme (DUB) with His and Cys domains. USP14 located in the cytoplasm is a proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. USP14 acts also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. In addition, USP14 is indispensable for synaptic development and function at neuromuscular junctions, required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.