


PRODUCT SPECIFICATION

Product Name	QPrEST ZC3H1 Mass Spectrometry Protein Standard
Product Number	QPrEST21349
Protein Name	Zinc finger C3H1 domain-containing protein
Uniprot ID	O60293
Gene	ZFC3H1
Product Description	Stable isotope-labeled standard for absolute protein quantification of Zinc finger C3H1 domain-containing protein. Lys (¹³ C and ¹⁵ N) and Arg (¹³ C and ¹⁵ N) metabolically labeled recombinant human protein fragment.
Application	Absolute protein quantification using mass spectrometry
Sequence (excluding fusion tag)	IANREKQRLIKSDQLKTSSTSSPANS DVEIDGIGRIAMVTKQVTD AESK LK KHRILLMKDESVLK NLVQEQEAKK KESVRNAEAKITKLTEQLQATEKILNV NRMFLK LQEQIHRVQQRVTIKKAL TLKYGE
Theoretical MW	32990 Da including N-terminal His ₆ ABP fusion tag
Fusion Tag	A purification and quantification tag (QTag) consisting of a hexahistidine sequence followed by an Albumin Binding Protein (ABP) domain derived from Streptococcal Protein G.
Expression Host	<i>Escherichia coli</i> LysA ArgA BL21(DE3)
Purification	IMAC purification
Purity	>90% as determined by Bioanalyzer Protein 230 Purity Assay
Isotopic Incorporation	>99%
Concentration	>5 μM after reconstitution in 100 μl H ₂ O
Concentration Determination	Concentration determined by LC-MS/MS using a highly pure amino acid analyzed internal reference (QTag), CV ≤10%.
Amount	>0.5 nmol per vial, two vials supplied.
Formulation	Lyophilized in 100 mM Tris-HCl 5% Trehalose, pH 8.0
Instructions for Reconstitution	Spin vial before opening. Add 100 μL ultrapure H ₂ O to the vial. Vortex thoroughly and spin down. For further dilution, see Application Protocol.
Shipping	Shipped at ambient temperature
Storage	Lyophilized product shall be stored at -20°C. See COA for expiry date. Reconstituted product can be stored at -20°C for up to 4 weeks. Avoid repeated freeze-thaw cycles.
Notes	For research use only

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