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Product datasheet for PH303554

Ketosamine 3 kinase (FN3KRP) (NM_024619) Human Mass Spec Standard

Product data:

Description:FN3KRP MS Standard C13 and N15-labeled recombinant protein (NP_078895)Species:HumanSpecies:HEK293Expression DNA ClowRC203554Predicted MW:34.4 kDaPredicted MW:84.203554 protein sequence Red=Cloning site Green=Tags(s)Predicted MW:MEELLRRELGCSSVRATCHSGGGCISQGRSVDT0QGRVFVKVNPKAEARRMFEGEMASLTAILKTNTVKV PKPIKVLDAPGGSVLVMEHMOMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGQEERPFV ARGEDVTCCGYLPQVNDWQEDWVFYAAQRIQPQMDWEKESGGREALQUSSLQLKIPDLEDLEDL PLILHGDLWGGNVAEDSSGPVIEDPASF VGHSEYELAIAGMFGGFSSFYSAYHGKIPKAPGFEKRLQLY QLFHYLNHWHFGSGYRGSSLNINRNLVKTag:CMyc/DDKFars:SM6 as determined by SDS-PAGE and Coomassie blue staining 0.05 µg/µL as determined by microplate BCA methodFurty:S005 µg/µL as determined by microplate BCA methodBuffer:S0 mM Tris-HCI, 100 mM glycine, pH 7.3Storage:Gibe for 3 months from receipt of products under proper storage and handling conditionsStorage:Gibe for 3 months from receipt of products under proper storage and handling conditionsRefseq:M.078895	Product Type:	Mass Spec Standards
Fxpression Host:HEK293Expression cDNA Cloop or AA Sequence:Rc203554Predicted MW:34.4 kDaPredicted MW:SRC203554 protein sequence -RC203554 protein sequence -RC20354 protein sequence -RC20354 protein sequence -RC20354 protein sequence -RC20354 protein sequence -RC20354 protein sequence -RC20354 pr	Description:	FN3KRP MS Standard C13 and N15-labeled recombinant protein (NP_078895)
r r AA Sequence:RC203554Predicted MW:34.4 kDaProtein Sequence:>RC203554 protein sequence Rcd=Cloning site Green=Tags(s)MEELLRRELGCSSVRATGHSGGGCISQGRSYDTDQGRVFVKVNPKAEARMFEGEMASLTALIKTNTVKV PKPIKVLDAPGGGSVLVMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGQEERPPV ARFGFDVTCCGYLPQVNDWQEDWVFYARQRIOPQMDWEKESGDREALQLWSALQLKIPDLFRDLEII PALLHGDLWGGNVAEDSSGPVIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFERRLQLY QLFHYLNHWHFGSGYRGSSLNIMRNLVKTag:CMQC/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodIabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:NP 078895	Species:	Human
or AA Sequence:Predicted MW:34.4 kDaProtein Sequence:>RC2033554 protein sequence Red=Cloning site Green=Tags(s)Brotein Sequence:>RC203554 protein sequence Red=Cloning site Green=Tags(s)MEELLRRELGCSSVRATCHSGGGCISQGRSVDTDQGRVFVKVNPKAEARRMFEGEMASLTAILKTNTVKV PKPIKVLDAPGGSSVLVMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGQEERPFV ARFGFDVVTCCGYLPQVNDWQEDWVFYARQRIQPQMDMVEKESGDREALQLWSALQLKIPDLFRDLEII PALLHGDLWGGNVAEDSSGPVIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFEKRLQLY QLFHYLNHWNHFGSGYRGSSLNIMRNLVKTag:C-Myc/DDKFag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-LLysineBuffer:0.5 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:MP 078895	Expression Host:	HEK293
Protein Sequence:>Rc203554 protein sequence Red=Cloning site Green=Tags(s)Red=Cloning site Green=Tags(s)REELLRRELGCSSVRATGHSGGGCISQGRSYDTDQGRVFVKVNPKAEARRMFEGEMASLTAILKTNTVKV PKPIKVLDAPGGGSVLVMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGGERPFVV ARFGFDVTCCGYLPQVNDWQEDWVVFYARQRIQPQMDVVEKESGDREALQLWSALQLKIPDLFRDLEII PALLHGDLWGGNVAEDSSGPVIFDPASFVGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFEKRLQLY QLFHYLNHWNHFGSGYRGSSLNIMRNLVKTag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingPurity:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:MP 078895	•	RC203554
Red=Cloning site Green=Tags(s)MEELLRRELGCSSVRATGHSGGGCISQGRSYDTDQGRVFVKVNPKAEARRMFEGEMASLTAILKTNTVKV PKPTKVLDAPGGGSVLVMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGQEERPFV ARFGFDVVTCCGYLPQVNDWQEDWVVFYARQRIQPQMDMVEKESGDREALQLWSALQLKIPDLFRDLEII PALLHGDLWGGNVAEDSSGPVIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFEKRLQLY QLFHYLNHWNHFGSGYRGSSLNIMRNLVKTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 078895	Predicted MW:	34.4 kDa
PKPIKVLDAPGGGSVLVMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGQGEERPFV ARFGFDVVTCCGYLPQVNDWQEDWVVFYARQRIQPQMDMVEKESGDREALQLWSALQLKIPDLFRDLEII PALLHGDLWGGNVAEDSSGPVIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFEKRLQLY QLFHYLNHWNHFGSGYRGSSLNIMRNLVKTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 078895	Protein Sequence:	
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RefSeq: <u>NP 078895</u>	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
	RefSeq:	<u>NP 078895</u>
RefSeq Size: 1844	RefSeq Size:	1844
RefSeq ORF:927	RefSeq ORF:	927
Synonyms: FN3KL	Synonyms:	FN3KL
Locus ID: 79672	Locus ID:	79672



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	Ketosamine 3 kinase (FN3KRP) (NM_024619) Human Mass Spec Standard – PH303554	
UniProt ID:	<u>Q9HA64, A0A140VK84</u>	
Cytogenetics:	17q25.3	
Summary:	A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in this way are less active or functional. This gene encodes an enzyme which catalyzes the phosphorylation of psicosamines and ribulosamines compared to the neighboring gene which encodes a highly similar enzyme, fructosamine-3-kinase, which has different substrate specificity. The activity of both enzymes may result in deglycation of proteins to restore their function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]	
Protein Families	: Druggable Genome	

Product images:

188	_	
98	-	
62	_	
49	_	
38	_	-
28	_	
17 14 63	Ξ	

Coomassie blue staining of purified FN3KRP protein (Cat# [TP303554]). The protein was produced from HEK293T cells transfected with FN3KRP cDNA clone (Cat# [RC203554]) using MegaTran 2.0 (Cat# [TT210002]).

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