

## Product datasheet for PH303554

### Ketosamine 3 kinase (FN3KRP) (NM\_024619) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FN3KRP MS Standard C13 and N15-labeled recombinant protein (NP_078895)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203554
Predicted MW:	34.4 kDa
Protein Sequence:	>RC203554 protein sequence Red=Cloning site Green=Tags(s)  MEELLRRELGCSSVRATGHSGGGCISQGRSYDTDQGRVFKVNPKAEARRMFEGEMASLTAILKTNTVKV PKPIKVLDAPEGGSVLYMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGGQEERPFV ARFGFDVVTCCGYLPQVNDWQEDWVVFYARQRIQPQMDMVEKESGDREALQLWSALQLKIPDLFRDLEII PALLHGDLWGGNVAEDSSGPVIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFEKRLQLY QLFHLYLNHWNHFGSGYRGSLSLIMRNLVK  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
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><a href="#">NP_078895</a></u>
RefSeq Size:	1844
RefSeq ORF:	927
Synonyms:	FN3KL
Locus ID:	79672



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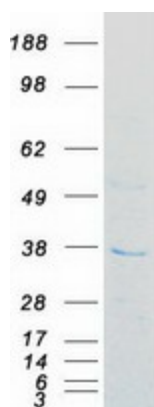
UniProt ID: [Q9HA64](#), [A0A140VK84](#)

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:



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]).