

Product datasheet for **TP303554**

Ketosamine 3 kinase (FN3KRP) (NM_024619) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fructosamine 3 kinase related protein (FN3KRP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC203554 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MEELLRRELGCSSVRATGHSGGGCISQGRSYDQGRVFKVNPKAEARRMFEGEMASLTAILKTNTVKV
PKPIKVLDPGGGSLVMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAGTVGRGGGQEERPFV
ARFGFDVVTCCGYLPQVNDWQEDWVVFYARQRIQPQMDMVEKESGDREALQLWSALQLKIPDLFRDLEII
PALLHGDLWGGNVAEDSSGPVIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFKRLQLY
QLFHLYLNHWNHFGSGYRGSSLNIMRNLVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_078895
Locus ID:	79672



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UniProt ID: [Q9HA64](#)

RefSeq Size: 1844

Cytogenetics: 17q25.3

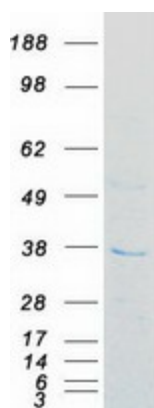
RefSeq ORF: 927

Synonyms: FN3KL

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 psicossamines 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]).