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Product datasheet for SC210575

Ketosamine 3 kinase (FN3KRP) (NM_024619) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Ketosamine 3 kinase (FN3KRP) (NM_024619) Human 3' UTR Clone
Symbol:	Ketosamine 3 kinase
Synonyms:	FN3KL
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_024619
Insert Size:	872 bp
Insert Sequence:	>SC210575 3'UTR clone of NM_024619 The sequence shown below is from the reference sequence of NM_024619. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGAACATCATGAGGAATCTGGTCAAGTGAGCGGGCCTTACTCTGGAAGGAGGCCTCAGAGGTTTCTCC ACAGTCCTCTTCTGGGCAAATTCTTGTTTCTTCACATGCTGGACTAGCTTAAGACCAATGCAGTAGCTT ATTTCCAAGCCTTGCAAAGTATATAATATCTAAGAGGAAAGGTTTTGTCATCCCAGCGTTGTCCACTTT GTGGGGCTTTGTAGGTAGACGGAGCCACACTACAGGCAGGGTATGAGCAGAGGGATGTATGGAGTGTGG GTGACTCTGAGCCTCACTGCTGCTGCAAGGTGGGGAAACTGTAAGTGAACCCCTGTGGGTGCGGGGGAG GGTATCCGGTGCGCAGGGAGGTGGCCAGCGCCCCCGGGCACTGCTGCTCATAGGTACCTTTCCACTGCC TCCTCCCTGCTCTCCTGTGCAGGAATGTCTCTGAGCTGTTCACGTTGATGCTTCTTGGTTGGCAAGACT TGGGTGTAGACATGAAACCATCTTACTAAAAGCGTCTTAAAATGACCAATTCCAGAATCAAGCGTATTC CGTTTTCTTCCTGCATGATCCCTGGGCCCTCCCGCAGGCTGAGCAAGTCTGTAAACTGATTCTGGGAGA AACCAAGCTGCTGGCCATAGGGTGTCCTTGGGTACATCCAGGAGTCTTCATTGCTTCTGTTATTACCCC GTCTCCTCTGCCATTTTCTACAGCTTGCTGAGTTGTCATTCCTTTGCAACATTAAAATACATGCTGAAC TCATATTTTTCCTTCCTTCACTGTTGTAGTAAAGAGACATATTTCATGAATGGCATTGATGCTAATAAA TCCTTTGCACAAAAATTTGAATAAACTTCCAGTGGTTTCGATAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_024619.4
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]
Locus ID:	79672
MW:	32