

Product datasheet for **SC112782**

FN3K (NM_022158) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FN3K (NM_022158) Human Untagged Clone
Tag:	Tag Free
Symbol:	FN3K
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022158, the custom clone sequence may differ by one or more nucleotides

ATGGAGCAGCTGCTGCGCGCCGAGCTGCGCACCGCGACCCTGCGGGCCTTCGGCGGCCCGGCGCCGGCT
 GCATCAGCGAGGGCCGAGCCTACGACACGGACGCGAGGCCAGTGTTCGTCAAAGTCAACCGCAGGACGCA
 GGCCCGGCAGATGTTTGAGGGGGAGGTGGCCAGCCTGGAGGCCCTCCGGAGCACGGGCTGGTGCGGGTG
 CCGAGGCCCATGAAGGTCATCGACCTGCCGGGAGGTGGGGCCGCCTTTGTGATGGAGCATTTGAAGATGA
 AGAGCTTGAGCAGTCAAGCATCAAACCTGGAGAGCAGATGGCAGATTTGCATCTTTACAACCAGAAGCT
 CAGGGAGAAGTTGAAGGAGGAGGAGAACACAGTGGGCCGAAGAGGTGAGGGTGCTGAGCCTCAGTATGTG
 GACAAGTTCGGCTTCCACACGGTGACGTGCTGCGGCTTCATCCCGCAGGTGAATGAGTGGCAGGATGACT
 GGCCGACCTTTTCGCCCCGCGACCGGCTCCAGGCGCAGCTGGACCTCATTGAGAAGGACTATGCTGACCG
 AGAGGCACGAGAACTCTGGTCCCGGCTACAGGTGAAGATCCCGGATCTGTTTGTGGCCTAGAGATTGTC
 CCCGCGTTGCTCCACGGGGATCTCTGGTCGGGAAACGTGGCTGAGGACGACGTGGGGCCATTATTTACG
 ACCCGGCTTCCTTCTATGGCCATTCCGAGTTTGAAGTGGCAATCGCCTTGATGTTTGGGGGGTCCCCAG
 ATCCTTCTTCACCGCTACCACCGGAAGATCCCCAAGGCTCCGGGCTTCGACCAGCGGCTGCTGCTAC
 CAGCTGTTTAACCTGAACCACTGGAACCACTTCGGGCGGGAGTACAGGAGCCCTTCCTTGGGCACCA
 TGCGAAGGCTGCTCAAGTAG


[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_022158 unedited <pre> AGTCGCAATTGTAACGACTTATAGGGGCGGCCGNGAATCGGCACCAGGCGCCTCAGCC GACGGGGCTTCCGAGCGAGCAGAGTCCCGCGCCCCGCACTCCATGGAGCAGCTGCTGCGC GCCGAGCTGCGCACCGCGACCCCTGCGGGCCTTCGGCGGCCCGGCGCGGCTGCATCAGC GAGGGCCGAGCCTACGACACGGACGCAGGCCAGTGTTTCGTCAAAGTCAACCGCAGGACG CAGGCCCGGCAGATGTTTGAGGGGGAGGTGGCCAGCCTGGAGGCCCTCCGAGCACGGGC CTGGTGCGGGTGCCGAGGCCATGAAGGTCATCGACCTGCCGGGAGGTGGGGCCGCTTT GTGATGGAGCATTGAAGATGAAGAGCTTGAGCAGTCAAGCATCAAACTTGGAGAGCAG ATGGCAGATTTGCATCTTTACAACCAGAAGCTCAGGGAGAAGTTGAAGGAGGAGGAGAAC ACAGTGGGCCGAAGAGGTGAGGGTGCTGAGCCTCAGTATGTGGACAAGTTCGGCTTCCAC ACGGTGACGTGCTGCGGCTTCATCCCGCAGGTGAATGAGTGGCAGGATGACTGGCCGACC TTTTTCGCGCCGACCGGCTCCAGGCGCAGCTGGACCTCATNGAGAAGGACTATGCTGAC CGAGAGGCACGAGAACTCTGGTCTGCTACAGGTGAAGAGCCGGATCATGTTTTGTGGCC TAGAGAGTGTCCCGCGTTGCTCACGGNGATCTCTGGTCGGGACACGTGCATGGGACGAA CCTGGGCCCCATATTACGACCCGCTTCTCTATGGCTTCCGAGATTGACTGCACGCT GAGTTTGGGGGGGTTCGCCAGAGCTTATCACCGCTACACCGGAGACCCAGGGTTCGGGC TCGCCACNGGTGTGCTACCCCTGNTTAACTGACACGACCCTCN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022158
Insert Size:	1600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_022158.2</u> , <u>NP_071441.1</u>
RefSeq Size:	1466 bp
RefSeq ORF:	930 bp
Locus ID:	64122
UniProt ID:	<u>Q9H479</u>
Cytogenetics:	17q25.3
Domains:	Fructosamin_kin
Protein Families:	Druggable Genome

Gene 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, fructosamines, are less active or functional. This gene encodes an enzyme which catalyzes the phosphorylation of fructosamines which may result in deglycation. [provided by RefSeq, Feb 2012]