

Product datasheet for **SC209492**

S100 beta (S100B) (NM_006272) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: S100 beta (S100B) (NM_006272) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: S100B
Synonyms: NEF; S100; S100-B; S100beta
ACCN: NM_006272
Insert Size: 789 bp
Insert Sequence: >SC209492 3'UTR clone of NM_006272
The sequence shown below is from the reference sequence of NM_006272. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GCCTGCCACGAGTTCTTTGAACATGAGTGAGATTAGAAAGCAGCCAAACCTTTCCTGTAACAGAGACGG
TCATGCAAGAAAGCAGACAGCAAGGGCTTGCAGCCTAGTAGGAGCTGAGCTTCCAGCCGTGTTGTAGC
TAATTAGGAAGCTTGATTTGCTTTGTGATTGAAAAATTGAAAACCTCTTCCAAAGGCTGTTTTAACGG
CCTGCATCATTCTTCTGCTATATTAGGCTGTGTGTAAGCTGACTGGCCCCAGGACTCTTGTTAACA
GTAECTTAGGAGTCAGGTCTCAGTGATAAAGCGTGACCGTGCAGCCCGCCATGGCCGTGTAGACCTTA
ACCCGGAGGGAACCTGACTACAGAAATTACCCGGGGCACCTTAAACTTCCACTACCTTTAAAAAA
CAAAGCCTTATCCAGCATTATTTGAAAACACTGCTGTTCTTTAAATGCGTTCCTCATCCATGCAGATAA
CAGCTGGTTGGCCGGTGTGGCCCTGCAAGGGCGTGGTGGCTTCGGCTGCTTCCCGGGATGCGCCTGAT
CACCAGGTGAACGCTCAGCGCTGGCAGCGCTCCTGGAAAAAGCAACTCCATCAGAACTCGCAATCCGAG
CCAGCTCTGGGGGCTCCAGCGTGGCCTCCGTGACCCATGCGATTCAAGTCGCGGCTGCAGGATCCTTGC
CTCCAACGTGCCTCCAGCACATGCGGCTTCCGAGGGCACTACCGGGGCTCTGAGCCACCGCGAGGGCC
TGCCTTCAATAAAAAGAGCGCAGCTTGGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-Mlul

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).



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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:	<u>NM_006272.3</u>
Summary:	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca ²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes. [provided by RefSeq, Jul 2008]
Locus ID:	6285
MW:	29.9