10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

ZNF238 Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP21938b

Specification

ZNF238 Blocking Peptide (C-Term) - Product Information

Primary Accession	Q99592
Other Accession	O9WUK6, Q9JKY3

ZNF238 Blocking Peptide (C-Term) - Additional Information

Gene ID 10472

Other Names
Zinc finger and BTB domain-containing protein 18, 58 kDa repressor protein, Transcriptional repressor RP58, Translin-associated zinc finger protein 1, TAZ-1, Zinc finger protein 238, Zinc finger protein C2H2-171, ZBTB18, RP58, TAZ1, ZNF238

Target/Specificity
The synthetic peptide sequence is selected from aa 318-331 of HUMAN ZBTB18

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ZNF238 Blocking Peptide (C-Term) - Protein Information

Name ZBTB18

Synonyms RP58, TAZ1, ZNF238

ZNF238 Blocking Peptide (C-Term) - Background

Transcriptional repressor that plays a role in various developmental processes such as myogenesis and brain development. Plays a key role in myogenesis by directly repressing the expression of ID2 and ID3, 2 inhibitors of skeletal myogenesis. Also involved in controlling cell division of progenitor cells and regulating the survival of postmitotic cortical neurons. Specifically binds the consensus DNA sequence 5'- [AC]ACATCTG[GT][AC]-3' which contains the E box core, and acts by recruiting chromatin remodeling multiprotein complexes. May also play a role in the organization of chromosomes in the nucleus.

ZNF238 Blocking Peptide (C-Term) - References

Becker K.G.,et al.Hum. Mol. Genet. 4:685-691(1995).
Aoki K.,et al.J. Biol. Chem. 273:26698-26704(1998).
Meng G.,et al.Gene 242:59-64(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).

Function
Transcriptional repressor that plays a role in various developmental processes such as myogenesis and brain development. Plays a key role in myogenesis by directly repressing the expression of ID2 and ID3, 2 inhibitors of skeletal myogenesis. Also involved in controlling cell division of progenitor cells and regulating the survival of postmitotic cortical neurons. Specifically binds the consensus DNA sequence 5'-[AC]ACATCTG[GT][AC]-3' which contains the E box core, and acts by recruiting chromatin remodeling multiprotein complexes. May also play a role in the organization of chromosomes in the nucleus.

Cellular Location
Nucleus. Note=Associates with condensed chromatin

Tissue Location
Lymphoid tissues, testis, heart, brain, skeletal muscle, and pancreas and, at much lower level, other tissues

ZNF238 Blocking Peptide (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides