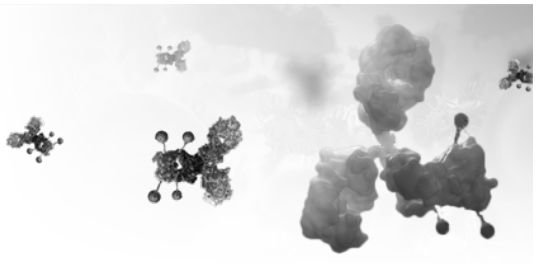

# RUNX1 blocking peptide (CDBP6035)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| **Conjugate** | Unconjugated |
| **Applications** | Used as a blocking peptide in immunoblotting applications. |
| **Format** | Liquid |
| **Concentration** | 200 µg/mL |
| **Size** | 0.05 mg |
| **Preservative** | None |
| **Storage** | -20°C |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | RUNX1 runt-related transcription factor 1 [ Homo sapiens (human) ] |
| **Official Symbol** | RUNX1 |
| **Synonyms** | RUNX1; runt-related transcription factor 1; AML1; CBFA2; EVI-1; AMLCR1; PEBP2aB; AML1-EVI-1; CBF-alpha-2; PEA2-alpha B; PEBP2-alpha B; oncogene AML-1; AML1-EVI-1 fusion protein; acute myeloid leukemia 1 protein; SL3-3 enhancer factor 1 alpha B subunit; SL3/AKV core-binding factor alpha B subunit; core-binding factor, runt domain, alpha subunit 2; |

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| | |
|---|---|
| | polyomavirus enhancer-binding protein 2 alpha B subunit |
| **Entrez Gene ID** | 861 |
| **mRNA Refseq** | NM_001001890 |
| **Protein Refseq** | NP_001001890 |
| **UniProt ID** | Q01196 |
| **Pathway** | Acute myeloid leukemia; Chronic myeloid leukemia; Pathways in cancer; Transcriptional misregulation in cancer |
| **Function** | ATP binding; DNA binding; calcium ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; regulatory region DNA binding; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription factor binding |

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