abcam

Product datasheet

Recombinant Human RUNX1 / AML1 protein ab112260

画像数 1

製品の詳細

製品名	Recombinant Human RUNX1 / AML1 protein
発現系	Wheat germ
アクセッション番号	Q01196
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	RVSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDTRQIQPSPP WSYDQSYQ YLGSIASPSVHPATPISPGRASGMTTLSAELSSRLSTAPDLT AFSDPRQF P
予測される分子量	37 kDa including tags
領域	210 to 311
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab112260** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Western blot SDS-PAGE ELISA
製品の状態	Liquid

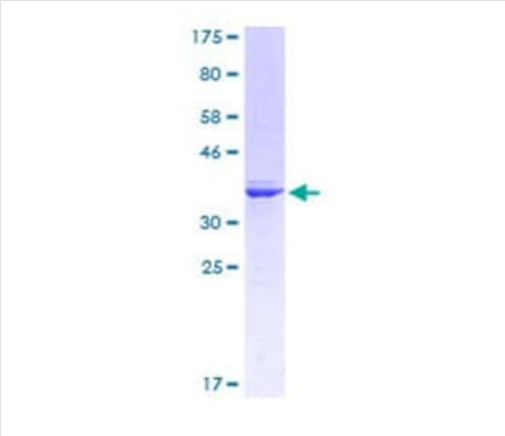
前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

関連情報

機能	CBF binds to the core site, 5'-PYGPYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL-3 and GM-CSF promoters. The alpha subunit binds DNA and appears to have a role in the development of normal hematopoiesis. Isoform AML-1L interferes with the transactivation activity of RUNX1. Acts synergistically with ELF4 to transactivate the IL-3 promoter and with ELF2 to transactivate the mouse BLK promoter. Inhibits MYST4-dependent transcriptional activation.
組織特異性	Expressed in all tissues examined except brain and heart. Highest levels in thymus, bone marrow and peripheral blood.
関連疾患	Note=A chromosomal aberration involving RUNX1/AML1 is a cause of M2 type acute myeloid leukemia (AML-M2). Translocation t(8;21)(q22;q22) with RUNX1T1. Note=A chromosomal aberration involving RUNX1/AML1 is a cause of therapy-related myelodysplastic syndrome (T-MDS). Translocation t(3;21)(q26;q22) with EAP or MECOM. Note=A chromosomal aberration involving RUNX1/AML1 is a cause of chronic myelogenous leukemia (CML). Translocation t(3;21)(q26;q22) with EAP or MECOM. Note=A chromosomal aberration involving RUNX1/AML1 is found in childhood acute lymphoblastic leukemia (ALL). Translocation t(12;21)(p13;q22) with TEL. The translocation fuses the 3'-end of TEL to the alternate 5'-exon of AML-1H. Note=A chromosomal aberration involving RUNX1 is found in acute leukemia. Translocation t(11,21)(q13;q22) that forms a MACROD1-RUNX1 fusion protein. Defects in RUNX1 are the cause of familial platelet disorder with associated myeloid malignancy (FPDMM) [MIM:601399]. FPDMM is an autosomal dominant disease characterized by qualitative and quantitative platelet defects, and propensity to develop acute myelogenous leukemia. Note=A chromosomal aberration involving RUNX1/AML1 is found in therapy-related myeloid malignancies. Translocation t(16;21)(q24;q22) that forms a RUNX1-CBFA2T3 fusion protein. Note=A chromosomal aberration involving RUNX1/AML1 is a cause of chronic myelomonocytic leukemia. Inversion inv(21)(q21;q22) with USP16.
配列類似性	Contains 1 Runt domain.
ドメイン	A proline/serine/threonine rich region at the C-terminus is necessary for transcriptional activation of target genes.
翻訳後修飾	Phosphorylated in its C-terminus upon IL-6 treatment. Phosphorylation enhances interaction with MYST3. Methylated.
細胞内局在	Nucleus.

画像



SDS-PAGE - Recombinant Human RUNX1 / AML1 protein (ab112260)

Coomassie Blue stained 12.5% SDS page analysis of ab112260

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