abcam

Product datasheet

Recombinant Human RUNX2 protein ab112258

1 图像

概述

产品名称	重组人RUNX2蛋白
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	Wheat germ
氨基酸序列	
Accession	Q13950
种属	Human
序列	NPRPSLNSAPSPFNPQGQSQITDPRQAQSSPPWSYDQSYP SYLSQMTSPS IHSTTPLSSTRGTGLPAITDVPRRISDDDTATSDFCLWPS TLSKKSQAGA
分子量	37 kDa including tags
氨基酸	251 to 350

技术指标

Our Abpromise guarantee covers the use of **ab112258** in the following tested applications.

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

应用	Western blot
	SDS-PAGE
	ELISA
形式	Liquid
补充说明	Best use within three months from the date of receipt of this protein.

制备和贮存

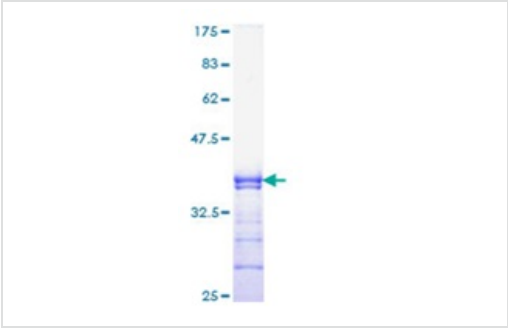
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.
	pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

常规信息

功能	Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis. Essential for the maturation of osteoblasts and both intramembranous and endochondral ossification. 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, osteocalcin, osteopontin, bone sialoprotein, alpha 1(I) collagen, LCK, IL-3 and GM-CSF promoters (By similarity). Inhibits MYST4-dependent transcriptional activation.
组织特异性	Specifically expressed in osteoblasts.
疾病相关	Defects in RUNX2 are the cause of cleidocranial dysplasia (CLCD) [MIM:119600]; also known as cleidocranial dysostosis (CCD). CLCD is an autosomal dominant skeletal disorder with high penetrance and variable expressivity. It is due to defective endochondral and intramembranous bone formation. Typical features include hypoplasia/aplasia of clavicles, patent fontanelles, wormian bones (additional cranial plates caused by abnormal ossification of the calvaria), supernumerary teeth, short stature, and other skeletal changes. In some cases defects in RUNX2 are exclusively associated with dental anomalies.
序列相似性	Contains 1 Runt domain.
结构域	A proline/serine/threonine rich region at the C-terminus is necessary for transcriptional activation of target genes and contains the phosphorylation sites.
翻译后修饰	Phosphorylated; probably by MAP kinases (MAPK) (By similarity). Isoform 3 is phosphorylated on Ser-340.
细胞定位	Nucleus.

图片



SDS-PAGE - Recombinant Human RUNX2 protein (ab112258)

Coomassie Blue stained 12.5% SDS page analysis of ab112258

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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