abcam

Product datasheet

Recombinant Human proCathepsin D protein ab151860

1 References

描述

产品名称	重组人proCathepsin D蛋白
纯度	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. ab151860 has been 0.2 µM filtered.
内毒素水平	< 1.000 Eu/µg
表达系统	HEK 293 cells
Accession	P07339
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	SALVRIPLHKFTSIRRTMSEVGGSVEDLIAKGPVSKYSQAVP AVTEGPIP EVLKNYMDAQYYGEIGIGTPPQCFTVVFDTGSSNLWVPSIHC KLLDIACW IHHKYNSDKSSTYVKNGTSFDIHYGSGSLSGYLSQDTVSVPC QSASSASA LGGVKVERQVFGEATKQPGITFIAAKFDGILGMAYPRISVNN VLPVFDNL MQQKLVDQNIFSFYLSRDPDAQPGGELMLGGTDSKYYKGSLS YLNVTRKA YWQVHLDQVEVASGLTLCKEGCEAIVDTGTSLMVGPVDEVRE LQKAIGAV PLIQGEYMIPCEKVSTLPAITLKLGGKGYKLSPEDYTLKVSQ AGKTLCLS GFMGMDIPPPSGPLWILGDVFIGRYYTVFDRDNNRVGFAEAA RLVDHHHH HH
预测分子量	44 kDa including tags
氨基酸	19 to 412
标签	His tag C-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab151860** in the following tested applications.

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

应用	SDS-PAGE HPLC
形式	Liquid

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 5.50 Constituents: 0.39% MES, 0.88% Sodium chloride

常规信息

功能	Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.
疾病相关	Defects in CTSD are the cause of neuronal ceroid lipofuscinosis type 10 (CLN10) [MIM:610127]; also known as neuronal ceroid lipofuscinosis due to cathepsin D deficiency. A form of neuronal ceroid lipofuscinosis with onset at birth or early childhood. Neuronal ceroid lipofuscinoses are progressive neurodegenerative, lysosomal storage diseases characterized by intracellular accumulation of autofluorescent liposomal material, and clinically by seizures, dementia, visual loss, and/or cerebral atrophy.
序列相似性	Belongs to the peptidase A1 family.
细胞定位	Lysosome. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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