abcam

Product datasheet

Recombinant Human Cornulin protein ab93883

1 Image

Description

Product name	Recombinant Human Cornulin protein
Purity	> 85 % SDS-PAGE. Purified using conventional chromatography techniques
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Amino acids	1 to 495

Specifications

Our **Abpromise guarantee** covers the use of **ab93883** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

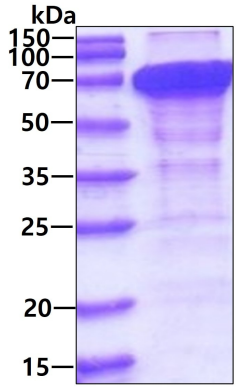
Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 7.40 Constituents: 10% Glycerol (glycerin, glycerine), PBS

General Info

Function	Survival factor that participates in the clonogenicity of squamous esophageal epithelium cell lines, attenuates deoxycholic acid (DCA)-induced apoptotic cell death and release of calcium. When overexpressed in oral squamous carcinom cell lines, regulates negatively cell proliferation by the induction of G1 arrest.

Tissue specificity	Squamous epithelia cell-specific. Expressed in the esophagus (periphery of the cells of the granular and the upper spinous layers), foreskin (granular and lower cornified cells), scalp skin (granular layer), inner root sheath of the hair follicle and in primary keratinocytes (at protein level). Expressed in the squamous epithelium of the cervix, esophagus, foreskin and larynx. Expressed in the fetal bladder and scalp skin. Expressed at very low levels in the lung, kidney, uterus, skeletal muscle, heart and fetal brain. Undetectable or barely detectable in esophageal and oral squamous cell carcinoma compared with the matched adjacent normal esophageal mucosa. Undetectable or barely detectable in larynx and esophagus from patients with pH-documented laryngopharyngeal reflux (LPR).
Sequence similarities	Belongs to the S100-fused protein family. Contains 1 EF-hand domain.
Domain	The EF-hand is necessary for the colony survival activity to protect cells from death induced by exposure to DCA.
Cellular localization	Cytoplasm. Does not colocalize with TGM1.

Images



SDS-PAGE - Recombinant Human Cornulin protein (ab93883)

SDS-PAGE analysis of Recombinant Human Cornulin protein (ab93883), under reducing conditions. Proteins visualized by coomassie blue stain.

Lane 1: Molecular Weight Standards

Lane 2: 3 µg Recombinant Human Cornulin protein

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