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Recombinant Human VNN1 / Vanin-1 Protein (His tag)

产品货号: TP07058

第三版

别名: HDLCQ8; Tiff66

描述: Pantetheinase, also known as Pantetheine hydrolase, Vascular non-inflammatory molecule 1, Vanin-1, and VNN1, is a cell membrane protein which belongs to the CN hydrolase family and BTD/VNN subfamily. Vanin-1 contains one CN hydrolase domain. It is widely expressed with higher expression in spleen, kidney and blood. It is overexpressed in lesional psoriatic skin. Vanin-1 is also a member of the Vanin family of proteins which share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which have been reported to participate in hematopoietic cell trafficking. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess pantetheinase activity, which may play a role in oxidative-stress response. Vanin-1 is an epithelial pantetheinase that provides cysteamine to tissue and regulates response to stress. Vanin-1 is expressed by enterocytes, and its absence limits intestinal epithelial cell production of proinflammatory signals. Vanin-1 regulates late adhesion steps of thymus homing under physiological, noninflammatory conditions. The early impact of vanin-1 deficiency on tumor induction was directly correlated to the amount of inflammation and subsequent epithelial proliferation rather than cell death rate. Vanin-1 molecule was shown to be involved in the control of thymus reconstitution following sublethal irradiation.

配方: PBS

分子量: 53.7 kDa

序列: Met 1-Ser 490

纯度: > 95% by HPLC

浓度:

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.