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Lcn2, 21-198aa, Rat, His tag, E.coli

产品货号: TP02790

第三版

别名:Sip24

描述:Lcn2 also known as Neutrophil gelatinase-associated lipocalin. It belongs to the calycin superfamily and Lipocalin family. It is essential component of the antimicrobial innate immune system, is present in neutrophils and multiple other tissues. It prevents iron acquisition by microorganisms by sequestering iron-loaded bacterial siderophores. In contrast to its pro-apoptotic activity, Lcn2 has also been reported to be a survival factor. Lcn2 protected thyroid carcinoma cells from apoptosis induced by serum deprivation and silencing of Lcn2 reduced thyroid tumor growth. Recombinant rat Lcn2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In Phosphate Buffered Saline (pH7.4) containing 20% glycerol

分子量:22.9kDa (201aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSQDSTQNLIPAPPLISVPLQPGFWTERFQGRWFVVGLAANAVQKERQSRFTMYSTIY
ELQEDNSYNVTSILVRGQGCRYWIRTFVPSSRPGQFTLGNIHSPQIQSYDVQVADTDYDQFAMVFFQKTSSENKQYFKVT
LYGRTKGLSDELKERFVSFAKSLGLKDNINIVFSVPTDQCIDN

纯度:> 95% by HPLC

浓度:0.25mg/ml (determined by Absorbance at 280nm)

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.