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Recombinant Human STK10 / LOK Protein (His tag)

产品货号: TP08483

第三版

别名:LOK;PRO2729

描述:Serine / threonine-protein kinase 10, also known as Lymphocyte-oriented kinase, STK10 and LOK, which belongs to the protein kinase superfamily, STE Ser / Thr protein kinase family and STE20 subfamily. Protein kinases constitute a large superfamily of enzymes with key regulatory functions in nearly all signal transmission processes of eukaryotic cells. The Ste20 family of serine/threonine kinases plays an important role in numerous cellular functions such as growth, apoptosis, and morphogenesis. STK10 is similar to several known polo-like kinase kinases. It can associate with and phosphorylate polo-like kinase 1, and overexpression of a kinase-dead version of the protein interferes with normal cell cycle progression. STK10 can also negatively regulate interleukin 2 expression in T-cells via the mitogen activated protein kinase kinase 1 pathway. Stk10 can associate with PIK1 in cells and furthermore can phosphorylate PIK1. It can also act on substrates such as myelin basic protein and histone 2A on serine and threonine residues.

配方:PBS**分子量:**36 kDa**序列:**Arg 18-Glu 317**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.