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PSG1, 35-419aa, Human, His tag, E.coli

产品货号: TP03557

第三版

别名: Pregnancy-specific beta-1-glycoprotein 1 isoform 1, B1G1, CD66f, DHFRP2, FL-NCA-1/2, PBG1, PS-beta-C/D, PS-beta-G-1, PSBG-1, PSBG1, PSG95, PSGGA, PSGIIA, SP1

描述: PSG1 belongs to a subgroup of transcription factors that are phosphorylated upon binding to promoter sequences. PSGs are part of the carcinoembryonic antigen (CEA) family and serve as early biochemical markers of syncytiotrophoblast formation. The sequence specificity of DNA binding is conferred by Zn (II) fingers, whereas a different region of PSG1 appears to regulate the affinity of DNA binding. Additionally, PSG1 is believed to mediate placental vascular morphogenesis by enhancing VEGF-A production and endothelial tube formation. Recombinant human PSG1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量: 45.9kDa (408aa)

序列:

MGSSHHHHHHSSGLVPRGSHMG SQVTIEAEPTKVSE GKDVLLL VHNLPQNL TGYIWYKGM RDLYHYITSY VVDGEIIIY
GPAYSGRETAYSNASLLIQNV TREDAGSYTLHIIK GDDGTRGVTGRFTFTLHLETPKPSISSN LNPRETMEAVSLTCDPETP
DASYLWWMNGQSLPMT HSLKLSETNRTLFL LGVTKYTAGPYECEIRNPVSASRSDPVTLNLLPKLPKYITINNLNPRENKD
VLNFTCEPKSENYTYIWWLNGQSLPVSPRVKRPIENRILILPSVTRNETGPYQCEIRDYGGIRSDPVTLNVLYGPDLPRIYPS
FTYYRSGEVLYLSCSADSNPPAQYSWTINEKFQLPGQKLFIRHITTKHSGLYVCSVRNSATGKESSKSMTVEVSGKWIP

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

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.