重组人PSG4蛋白

Recombinant PSG4 protein (His tag)

目录号 Catalog Number	548947
同用名 Synonyms	PS-beta-G-4; PSBG-4; Pregnancy-specific glycoprotein 4; Pregnancy-specific beta-1-glycoprotein 9; PS-beta-G-9; PSBG-9; Pregnancy-specific glycoprotein 9
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q00888
分子量 Molecular Weight	Predictes a molecular mass of 45.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MSKIKHHHHH HGGSQVTIEA QPPKVSEGKD VLLLVHNLPQ NLAGYIWYKG QMTYLYHYIT SYVVDGQRII YGPAYSGRER VYSNASLLIQ NVTQEDAGSY TLHIIKRRDG TGGVTGHFTF TLHLETPKPS ISSSNLNPRE AMEAVILTCD PATPAASYQW WMNGQSLPMT HRLQLSKTNR TLFIFGVTKY IAGPYECEIR NPVSASRSDP VTLNLLPKLS KPYITINNLN PRENKDVLTF TCEPKSKNYT YIWWLNGQSL PVSPRVKRPI ENRILILPNV TRNETGPYQC EIRDRYGGIR SDPVTLNVLY GPDLPSIYPS FTYYRSGENL YLSCFAESNP RAQYSWTING KFQLSGQKLS IPQITTKHSG LYACSVRNSA TGKESSKSIT VKVSDWILP
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 35-419 aa (Q00888) were fused with N-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

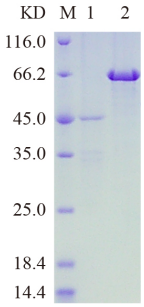
功能描述

研究背景 Background

Recombinant Human Pregnancy-specific beta-1-glycoprotein 4 (PSG4) Fragment (aa 35-419) - A high-purity protein fragment encompassing the complete Ig-like domain architecture, ideal for functional studies of pregnancy-specific glycoprotein domains in reproductive biology research.
Pregnancy-specific beta-1-glycoprotein 4 (PSG4) is a secreted protein belonging to the pregnancy-specific glycoprotein family, which are abundantly expressed during pregnancy and play important roles in maternal-fetal interactions. As a secreted protein, PSG4 functions in the extracellular space, suggesting potential roles in cell signaling, immune modulation, or other intercellular communication processes critical for successful pregnancy maintenance. The secreted nature indicates this protein may act as a circulating factor or local signaling molecule at the maternal-fetal interface.

验证数据

SDS-PAGE



Recombinant PSG4 protein (His tag) SDS-PAGE
M: Marker; Lane 1: PSG4; Lane 2: BSA