Recombinant human PSG5 protein

Catalog Number: ATGP3638

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
35-335aa

UniProt No.
Q15238

NCBI Accession No.
NP_001123486

Alternative Names
Pregnancy-specific beta-1-glycoprotein 5, PSG5, FL-NCA-3, PSG

PRODUCT SPECIFICATION

Molecular Weight
35.1 kDa (310aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 6.8) containing 1mM DTT, 40% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
PSG5, also known as pregnancy-specific beta-1-glycoprotein 5, a member of the PSG family that is mainly produced by the placental syncytiotrophoblasts during pregnancy. The function of PSG5 stimulates secretion of TH2-type cytokines from monocytes, and they may also modulate the maternal immune system during pregnancy, thereby protecting the semi-allotypic fetus from rejection. Recombinant human PSG5 protein, fused

Recombinant human PSG5 protein

Catalog Number: ATGP3638

to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

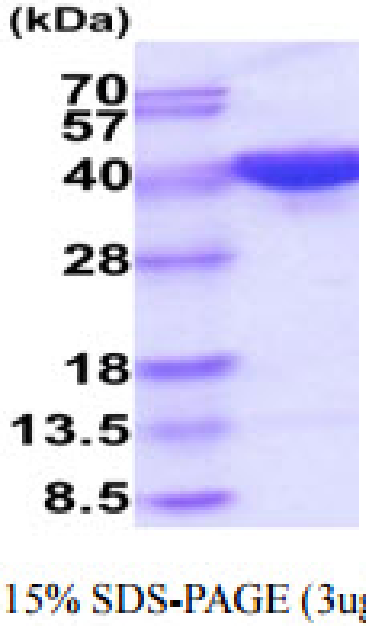
ADLQVTIEAL PPKVSEGKDV LLLVHNLPQN LAGYIWYKGQ LMDLYHYITS YVVDGQINIY GPAYTGRETV YSNASLLIQN VTREDAGSYT LHIIKRGDRT RGVTGYFTFN LYLKLPKPYI TINNSKPREN KDVLAFTCEP KSENYTYIWW LNGQSLPVSP RVKRPIENRI LILPSVTRNE TGPYECEIRD RDGGMRSDPV TLNVLYGPDL PSIYPSFTYY RSGENLYLSC FAESNPPAEY FWTINGKFQQ SGQKLSIPQI TTKHRGLYTC SVRNSATGKE SSKSMTVEVS APSGIGRLPL LNPIHHHHHH

General References

Blanchon L., et al, (2006) Biochem. Biophys. Res. Commun. 343:745-753.
Chan W Y., et al. (1991) Mol Cell Biochem.106:161-170.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.