

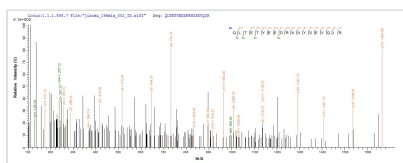


Recombinant Human Progesterone-induced-blocking factor 1 (PIBF1)

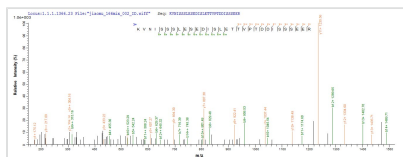
Product Code	CSB-EP845171HU
Abbreviation	PIBF1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8WXW3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSRKISKESKKVNISSSLESEDISLETTVPTDDISSSEEREGKVRITRQLIERKEL LHNIQLLKIELSQKTMIDNLKVDYLTKEELEEKLNDALHQQQLLTLRLDNQLAF QQKDASKYQELMKQEMETILLRQKQLEETNLQLREKAGDVRRLRDFELTEE QYIKLKAFPEDQLSIPEYVSVRFYELVNPLRKEICELQVKKNILAEELSTNKNQL KQLTETYEEDRKNYSEVQIRCQRLALELADTKQLIQQGDYRQENYDKVKSERD ALEQEVIELRRKHEILEASHMIQTKERSELSKEVVTLEQTVTLLQKDKEYLNRQ NMELSVRCAHEEDRLERLQAQLEESKKAREEMYEKYVASRDHYKTEYENKLH DELEQIRLKTNQEIDQLRNASREMYERENRNLREARDNAVAEKERAVMAEKD ALEKHDQLLDRYRELQLSTESKVTEFLHQSCLKSFESERVQLLQEETARNLTQ CQLECEKYQKKLEVLTKEFYSLQASSEKRITELQAQNSEHQARLDIYEKLEKEL DEIMQTAEIENEDEAERVLFSGYGANVPTTAKRRLKQSVHLARRVLQLEKQN SLILKDLEHRKDQVTQLSQELDRANSLNQTQQPYRYLIESVRQRDSKIDSLTE SIAQLEKDVSNLNKEKSALLQTKNQMALDLEQLLNHREELAAMKQILVKMHSK HSENSLLLTKEPKHVTENQKSKTLNVPKEHEDNIFTKPTLFTKKEAPEWSKK QKMKT
Lead Time	3-7 business days
Research Area	Cell Biology
Source	E.coli
Gene Names	PIBF1
Protein Names	Recommended name: Progesterone-induced-blocking factor 1
Expression Region	1-757aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	97.2 kDa
Protein Description	Full Length



Image



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP845171HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) PIBF1.



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Description

The recombinant Human PIBF1 was expressed with the amino acid range of 1-757. This PIBF1 protein is theoretically predicted to have a molecular weight of 97.2 kDa. The PIBF1 protein was expressed in e.coli. The N-terminal 10xHis tag and C-terminal Myc tag was fused into the coding gene segment of PIBF1, making it easier to detect and purify the PIBF1 recombinant protein in the later stages of expression and purification.

Human progesterone-induced-blocking factor 1 (PIBF1) plays a pivotal role in immune modulation during pregnancy. Its main function involves promoting immune tolerance at the maternal-fetal interface, protecting the developing embryo from rejection. In reproductive and immunological research, studying PIBF1 provides crucial insights into maternal immune adaptation and fetal protection mechanisms. PIBF1's involvement in reproductive disorders and immune-related conditions suggests potential applications in fertility treatments and autoimmune disease research. Investigating PIBF1 contributes to a comprehensive understanding of immune regulation during pregnancy and opens avenues for therapeutic strategies in reproductive health and immunology, addressing challenges in maternal-fetal tolerance and autoimmune disorders.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.