

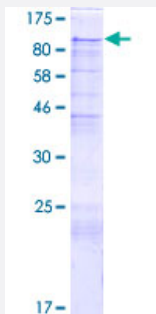
Full-Length

PIBF1 (Human) Recombinant Protein (P01)

Catalog # H00010464-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PIBF1 full-length ORF (NP_006337.2, 1 a.a. - 757 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSRKISKESKKVNISSSLESEDISLETTVPTDDISSSEEREGKVRITRQLIERKELLHNIQLLKIELSQK
TMMIDNLKVDYLTKEELEEKLNDALHQQQLTLRLDNQLAFQQKDASKYQELMKQEMETILLRQK
QLEETNLQLREKAGDVRRNLRDFELTEEQYIKLAFPEDQLSIPEYVSVRFYELVNPLRKEICELQV
KKNILAEELSTNKNQLKQLTETYEDRKNYSEVQIRCQRLALELADTKQLIQGGDYRQENYDKVKS
ERDALEQEVIELRRKHEILEASHMIQTKERSELSKEVVLTLEQTVTLLQKDKEYLNRQNMELSVRCA
HEEDRLERLQAQLEESKKAREEMYEKYVASRDHYKTEYENKLHDELEQIRLKTNQEIDQLRNASR
EMYERENRNLREARDNAVAEKERAVMAEKDALEKHDQLLDYRELQLSTESKVTEFLHQSKLKS
FESERVQLLQEETARNLTQCQLECEKYQKKLEVLTKEFYSLQASSEKRITELQAQNSEHQARLDIY
EKLEKELDEIIMQTAEIENEDEAERVLFSGYGANVPTTAKRRLKQSVHLARRVLQLEKQNSLILKD
LEHRKDQVTQLSQELDRANSLNQTQQPYRYLIESVRQRDSKIDSLTESIAQLEKDVSNLNKEKSA
LLQTKNQMALDLEQLLNHREELAAMKQLVKMHSKHSSENSLLLTKEPKHV TENQKSKTLNVPKE
HEDNIFTPKPTLFTKKEAPEWSKKQMKMT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

116.2

Interspecies Antigen Sequence

Mouse (88); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PIBF1

Entrez GeneID	10464
GeneBank Accession#	NM_006346.2
Protein Accession#	NP_006337.2
Gene Name	PIBF1
Gene Alias	C13orf24, KIAA1008, PIBF, RP11-505F3.1
Gene Description	progesterone immunomodulatory binding factor 1
Omim ID	607532
Gene Ontology	Hyperlink
Other Designations	progesterone-induced blocking factor 1

Publication Reference

- [Interleukin-33-induced expression of PIBF1 by decidual B cells protects against preterm labor.](#)

Huang B, Faucette AN, Pawlitz MD, Pei B, Goyert JW, Zhou JZ, El-Hage NG, Deng J, Lin J, Yao F, Dewar RS 3rd, Jassal JS, Sandberg ML, Dai J, Cols M, Shen C, Polin LA, Nichols RA, Jones TB, Bluth MH, Puder KS, Gonik B, Nayak NR, Puscheck E, Wei WZ, Cerutti A, Colonna M, Chen K.

Nature Medicine 2016 Dec; 23(1):128.

Application: Func, Mouse, Mouse uterine neutrophils

- [Progesterone-induced blocking factor is hormonally regulated in human astrocytoma cells, and increases their growth through the IL-4R/JAK1/STAT6 pathway.](#)

Gonzalez-Arenas A, Valadez-Cosmes P, Jimenez-Arellano C, Lopez-Sanchez M, Camacho-Arroyo I.

The Journal of Steroid Biochemistry and Molecular Biology 2014 Oct; 144Pt B:463.

Application: Cell Culture, Recombinant protein

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)