Product datasheet for TP320107

PBR (TSPO) (NM_000714) Human Recombinant Protein

Product data:

- **Product Type:** Recombinant Proteins
- **Description:** Recombinant protein of human translocator protein (18kDa) (TSPO), transcript variant PBR
- **Species:** Human
- **Expression Host:** HEK293T
- **Tag:** C-Myc/DDK
- **Predicted MW:** 18.6 kDa
- **Concentration:** >50 ug/mL as determined by microplate BCA method
- **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining
- **Buffer:** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
- **Bioactivity:** Surface Plasmon Resonance (SPR) (PMID: [27855359](https://www.ncbi.nlm.nih.gov/pubmed/27855359))
- **Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

- **RefSeq:** NP_000705
- **Locus ID:** 706
- **RefSeq Size:** 921
- **Cytogenetics:** 22q13.2
- **RefSeq ORF:** 507
- **Synonyms:** BPBS; BZRP; DBI; IBP; MBR; mDRC; PBR; PBS; pk18; PKBS; PTBR
- **Summary:** Present mainly in the mitochondrial compartment of peripheral tissues, the protein encoded by this gene interacts with some benzodiazepines and has different affinities than its endogenous counterpart. The protein is a key factor in the flow of cholesterol into mitochondria to permit the initiation of steroid hormone synthesis. Alternatively spliced transcript variants have been reported; one of the variants lacks an internal exon and is considered non-coding, and the other variants encode the same protein. [provided by RefSeq, Feb 2012]

- **Protein Families:** Druggable Genome, Transmembrane
Protein Pathways: Neuroactive ligand-receptor interaction

Product images: