

Product datasheet for PH320107

PBR (TSPO) (NM_000714) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TSPO MS Standard C13 and N15-labeled recombinant protein (NP_000705)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220107
Predicted MW:	18.8 kDa
Protein Sequence:	>RC220107 protein sequence Red =Cloning site Green =Tags(s) MAPPWVPAMGFTLAPSLGCFVGSRFVHGEGLRWYAGLQKPSWHPHPPHWLGPVWGTLYSAMGYGSYLVWKE LGGFTEKAVVPLGLYTQQLALNWAWPPIFFGARQMGWALVDLLL VSGAAAATTVAWYQVSPLAARLLYPY LAWLAFATTLNYCVWRDNHGHGGRRRLPE TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000705
RefSeq Size:	921
RefSeq ORF:	507
Synonyms:	BPBS; BZRP; DBI; IBP; MBR; mDRC; PBR; PBS; pk18; PKBS; PTBR
Locus ID:	706
UniProt ID:	P30536 , O76068



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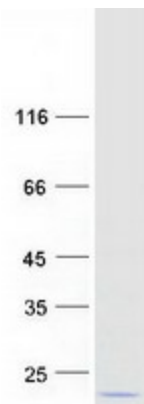
Cytogenetics: 22q13.2

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:



Coomassie blue staining of purified TSPO protein (Cat# [TP320107]). The protein was produced from HEK293T cells transfected with TSPO cDNA clone (Cat# [RC220107]) using MegaTran 2.0 (Cat# [TT210002]).