

Recombinant Human TSPO, T7-tagged

Cat. No. TSPO1-2961H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSPO (1-102 aa) is expressed in <i>E. coli</i> with a T7 tag at N-terminus.
Species	Human
Source	<i>E. coli</i>
Protein Length	1-102 a.a.
Description	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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
MW	16107 Da.
Purity	95%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ . 10mM DTT.
Application	MS. SDS.

GENE INFORMATION

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Gene Name	TSPO translocator protein (18kDa) [Homo sapiens]
Synonyms	TSPO; translocator protein (18kDa); OTTHUMP00000198251; benzodiazepine peripheral binding site; mitochondrial benzodiazepine receptor; peripheral benzodiazepine receptor; peripheral-type benzodiazepine receptor; translocator protein; DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18
Gene ID	706
mRNA Refseq	NM_000714
Protein Refseq	NP_000705
MIM	109610
UniProt ID	P30536
Chromosome Location	22q13.31
Pathway	Neuroactive ligand-receptor interaction
Function	benzodiazepine receptor activity; cholesterol binding; receptor activity

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