

## Recombinant Human TSPO, T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TSPO (1-102 aa) is expressed in <i>E. Coli</i> with a T7 tag at N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-102 a.a.
<b>Description</b>	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.
<b>MW</b>	16107 Da.
<b>Purity</b>	95%.
<b>Formulation</b>	10 mM Tris. pH 8.0. 0.1% Triton X-100.0.002% NaN <sub>3</sub> . 10mM DTT.
<b>Application</b>	MS. SDS.

### GENE INFORMATION

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<b>Gene Name</b>	TSPO translocator protein (18kDa) [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	706
<b>mRNA Refseq</b>	NM_000714
<b>Protein Refseq</b>	NP_000705
<b>MIM</b>	109610
<b>UniProt ID</b>	P30536
<b>Chromosome Location</b>	22q13.31
<b>Pathway</b>	Neuroactive ligand-receptor interaction
<b>Function</b>	benzodiazepine receptor activity; cholesterol binding; receptor activity

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