

Recombinant Human TSPO protein, His & GST-tagged

Cat. No. TSPO-1696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSPO aa. (Met1~Glu169 (Accession # P30536)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Glu169
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. 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.4

GENE INFORMATION

Gene Name	TSPO translocator protein [Homo sapiens (human)]
Official Symbol	TSPO
Synonyms	TSPO; translocator protein; DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18; benzodiazepine peripheral binding site; mitochondrial benzodiazepine receptor; peripheral-type benzodiazepine receptor
Gene ID	706
mRNA Refseq	NM_000714.5
Protein Refseq	NP_000705.2
UniProt ID	P30536

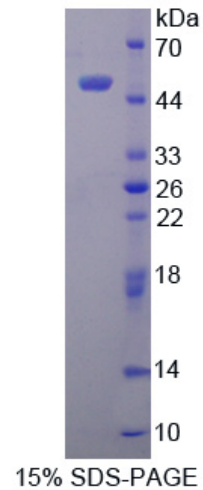
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SDS-PAGE



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