

# Active Recombinant Full Length Human TSPO Protein, C-Flag-tagged

Cat. No. TSPO-142HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human TSPO Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<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. 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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Bio-activity</b>	Surface Plasmon Resonance (SPR)
<b>Molecular Mass</b>	18.6 kDa
<b>AA Sequence</b>	MAPPWVPAMGFTLAPSLGCFVGSRFVHGEGLRWYAGLQKPSWHPPHWVLGPVW GTLYSAMGYGSYLVWKE LGGFTEKAVVPLGLYTGQLALNWAWPPIFFGARQMGW ALVDLLLVSAAAATTVAWYQVSPLAARLLYPY LAWLAFATTLNYCVWRDNHGWHGGRRLPETRTRPLEQKLISEEDLAANDILDYKDD

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	DDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Transmembrane
<b>Protein Pathways</b>	Neuroactive ligand-receptor interaction
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TSPO translocator protein [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">TSPO</a>
<b>Synonyms</b>	DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18; TSPO1
<b>Gene ID</b>	<a href="#">706</a>
<b>mRNA Refseq</b>	<a href="#">NM_000714.6</a>

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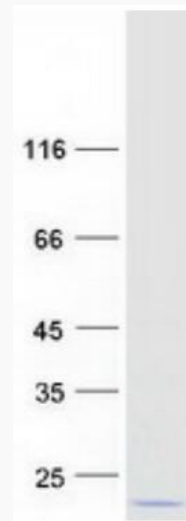
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**Protein Refseq** NP\_000705.2

**MIM** 109610

**UniProt ID** P30536



Coomassie blue staining of purified TSPO protein.

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