

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

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

SPECIFICATION

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

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

GENE INFORMATION

Gene Name	TSPO translocator protein [Homo sapiens (human)]
Official Symbol	TSPO
Synonyms	DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18; TSPO1
Gene ID	706
mRNA Refseq	NM_000714.6

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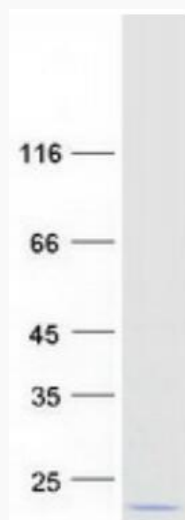
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Protein Refseq [NP_000705.2](#)

MIM [109610](#)

UniProt ID [P30536](#)



Coomassie blue staining of purified TSPO protein.

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