Recombinant Human TSPO Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TSPO-6213H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TSPO MS Standard C13 and N15-labeled recombinant protein (NP_000705) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	18.8 kDa
AA Sequence	MAPPWVPAMGFTLAPSLGCFVGSRFVHGEGLRWYAGLQKPSWHPPHWVLGPVW GTLYSAMGYGSYLVWKELGGFTEKAVVPLGLYTGQLALNWAWPPIFFGARQMGWA LVDLLLVSGAAAATTVAWYQVSPLAARLLYPYLAWLAFATTLNYCVWRDNHGWHG GRRLPETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

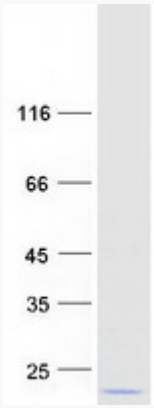
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TSPO translocator protein [Homo sapiens (human)]
Official Symbol	TSPO
Synonyms	TSPO; translocator protein (18kDa); benzodiazapine receptor (peripheral), BZRP; translocator protein; DBI; IBP; MBR; mDRC; PBR; peripheral type benzodiazepine receptor/recognition site; pk18; PKBS; mitochondrial benzodiazepine receptor; benzodiazepine peripheral binding site; peripheral-type benzodiazepine receptor; PBS; BPBS; BZRP; PTBR;
Gene ID	706
mRNA Refseq	NM_000714
Protein Refseq	NP_000705
MIM	109610
UniProt ID	B1AH88

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA