

## TSPO Protein, Pig, Recombinant (His & Myc & SUMO)

### General Information

Synonyms:	Translocator protein;TSPO;Peripheral-type benzodiazepine receptor (PBR);BZRP
Protein Construction:	1-169 aa
Species:	Sus scrofa (Pig)
Expression Host:	E. coli
Accession:	Q6UN27
Molecular Weight:	38.6 kDa (predicted)
AA Sequence:	MAPPWLPAVGFTLVPSLGGFLSSRNVLGKGLHWYAGLQKPSWHPPHWTLAPIWGTLYSAMGYGSYMIWKE LGGFSEEAVVPLGLYAGQLALNWAWPPLFFGARQMGWALVDLVLTTGGVAAATAVAWYQVSPLAARLLYPY LAWLAF AATLNYCVWRDNQRRRGRRPSE

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Promotes the transport of cholesterol across mitochondrial membranes and may play a role in lipid metabolism, but its precise physiological role is controversial. It is apparently not required for steroid hormone biosynthesis. Can bind protoporphyrin IX and may play a role in the transport of porphyrins and heme. Was initially identified as peripheral-type benzodiazepine receptor; can also bind isoquinoline carboxamides.

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