

Product Information

MemDX™ Membrane Protein Human TSPO (Translocator protein) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2136K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human TSPO membrane protein expressed *in vitro* *E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TSPO

Protein Length

Full Length

Protein Class

Transport

TMD

5

Sequence

MAPPWVPAMGFTLAPSLGCFVGSRFVHGEGLRWYAGLQKPSWHPHWVLGPVWGTLYSAMGYGSYLWVKELGGFTEKAVVPL

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

TSPO

Full Name

Translocator protein

Introduction

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.

Alternative Names

TSPO; DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18; benzodiazepine peripheral binding site; mitochondrial benzodiazepine receptor; peripheral-type benzodiazepine receptor; Translocator protein

Gene ID

[706](#)

UniProt ID

[P30536](#)