

## TSPAN8 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76118
Synonyms:	Tetraspanin-8; Tspan-8; CO-029; TSPAN8; TM4SF3
Species:	Human
Source:	HEK293
Accession:	P19075 (K110-N205)
Gene ID:	7103
Molecular Weight:	Approximately 46 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>TSPAN8 plays an important role in promoting tumor metastasis by activating the EGFR/AKT pathway<sup>[1]</sup>. TSPAN8 alleviates high-glucose-induced autophagy and apoptosis in HK-2 cells by targeting mTORC2<sup>[2]</sup>. TSPAN8 forms protein complexes mediated by TSPAN8 through interactions with itself and various other cell signaling molecules. These protein complexes help to construct tetraspan-rich microdomains (TEMs), which effectively mediate intracellular signaling transduction. In addition, TSPAN8 plays a crucial role in regulating biological functions such as leukocyte migration, angiogenesis, and wound repair<sup>[3]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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