

## TSPAN8 Protein, Human (HEK293, His)

Cat. No.:	HY-P76117
Synonyms:	Tetraspanin-8; Tspan-8; CO-029; TSPAN8; TM4SF3
Species:	Human
Source:	HEK293
Accession:	P19075 (K110-N205)
Gene ID:	7103
Molecular Weight:	Approximately 17&13 kDa

### PROPERTIES

AA Sequence	<p>K S K S D R I V N E    T L Y E N T K L L S    A T G E S E K Q F Q    E A I I V F Q E E F</p> <p>K C C G L V N G A A    D W G N N F Q H Y P    E L C A C L D K Q R    P C Q S Y N G K Q V</p> <p>Y K E T C I S F I K    D F L A K N</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in PBS, pH 7.4. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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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