

**TSPAN7, 113-213aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP04326**

3th Edition

**Synonyms:** Tetraspanin-7, TSPAN7, A15, CCG-B7, CD231, DXS1692E, MRX58, MXS1, TALLA-1, TM4SF2, TM4SF2b

**Description:** TSPAN7, as known as tetraspanin-7, is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. Also, it is associated with X-linked mental retardation and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy. More recently, it has been identified as a key immune system target in type 1 diabetes. Recombinant human TSPAN7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 12.6kDa (110aa) 13.5-18kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPRHEIKDTFLRITYTDAMQTYNGNDERSRAVDHVQRSLSCCGVQNYTNWSTSPYFLEHGIPPSCCMNETDCNP  
QDLHNLTVAAATKVNQKGCYDLVTSFMETNMHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.