

32-13490: TSPAN7 Human

Alternative Name : Tspan-7, Cell surface glycoprotein A15, Membrane component chromosome X surface marker 1, T-cell acute lymphoblastic leukemia-associated antigen 1, TALLA-1, Transmembrane 4 superfamily member 2, CD231, A15, DXS1692E, MXS1, TM4SF2.

Description

Source: Sf9, Insect cells.

Sterile Filtered colorless solution.

Tetraspanin 7, also known as TSPAN7, is part of the transmembrane 4 superfamily, which is also familiar as the tetraspanin family. Most of these proteins mediate signal transduction events which play a role in the regulation of cell development, activation, growth as well as motility. Furthermore, TSPAN7 is associated with X-linked mental retardation in addition to neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy. Lately, TSPAN7 has been acknowledged as a key immune system target in type 1 diabetes.

TSPAN7 Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 110 amino acids (113-213a.a.) and having a molecular mass of 12.6kDa. (Molecular size on SDS-PAGE under reducing conditions 13.5-18kDa). TSPAN7 is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : TSPAN7 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPRHEIKDT FLRTYTDAMQ TYNGNDERSR AVDHVQRSL S CCGVQNYTNW STSPYFLEHG IPPSCCMNET DCNPQDLHNL TVAATKVNQK GCYDLVTSFM ETNMHHHHHH.