
Product Data Sheet

Product Name: TSPAN7 Human
 Cat. No.: GP24908
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	ADPRHEIKDT FLRTYTDAMQ TYNGNDERSR AVDHVQRSL S CCGVQNYTNW STSPYFLEHG IPPSCCMNET DCNPQDLHNL TVAATKVNQK GCYDLVTSFM ETNMHHHHHH.		
Formulation	TSPAN7 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

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.

Stability

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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 6amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

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