

Recombinant Human TSPAN7 protein

Cat. No. TSPAN7-237H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human TSPAN7 was expressed in Wheat Germ.

Species Human

Source Wheat Germ

Description The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. It is known to complex with integrins. This gene is associated with X-linked mental retardation and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy.

Form 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Molecular Mass 27.6 kDa

AA Sequence MASRRMETKPVITCLKTLLIYSFVFWITGVILLAVGVWGKLTGTYISLIAENSTNAPY
VLIGTGTTIVVFLGF GCFATCRGSPWMLKLYAMFLSLVFLAELVAGISGFVFRHEIKD
TFLRTYTDAMQTYNGNDERSRAVDHVQRSLSC CGVQNYTNWSTSPYFLEHGIPPS
CCMNETDCNPQDLHNLVAATKVNQKGCYDLVTSFMETNMGIIAGVAFGIAF SQLIG
MLLACCLSRFITANQYEMV

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Purity	> 95 % by SDS-PAGE.
Applications	Antibody Production; Functional Study(Recommended usage only, not validated yet); Compound Screening(Recommended usage only, not validated yet).
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TSPAN7 tetraspanin 7 [Homo sapiens]
Official Symbol	TSPAN7
Synonyms	TSPAN7; tetraspanin 7; mental retardation, X linked 58 , MRX58, MXS1, TM4SF2, transmembrane 4 superfamily member 2; tetraspanin-7; A15; CD231; DXS1692E; TALLA 1; tspan-7; CD231 antigen; tetraspanin protein; transmembrane protein A15; cell surface glycoprotein A15; transmembrane 4 superfamily 2b; transmembrane 4 superfamily member 2; membrane component chromosome X surface marker 1; membrane component, X chromosome, surface marker 1; T-cell acute lymphoblastic leukemia associated antigen 1; T-cell acute lymphoblastic leukemia-associated antigen 1; MXS1; MRX58; CCG-B7; TM4SF2; TALLA-1; TM4SF2b;
Gene ID	7102
mRNA Refseq	NM_004615
Protein Refseq	NP_004606
MIM	300096

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UniProt ID	P41732
Chromosome Location	Xp11.4
Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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