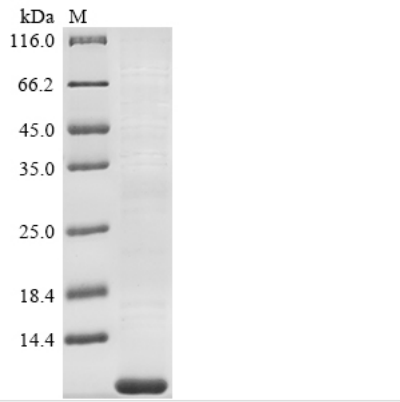
Recombinant Human Tetraspanin-2 (TSPAN2), partial

Product Code	CSB-EP025157HU1e1
Abbreviation	Recombinant Human TSPAN2 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O60636
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	GKGVAIRHVQTMYEEAYNDYLKDRGKGNGTLITFHSTFQCCGKESSEQVQPT CPKELLGHKNCIDEIETIISVKLQL
Research Area	Stem Cells
Source	E.coli
Target Names	TSPAN2
Expression Region	112-188aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	8.8 kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 112-188 form the expressed segment for recombinant Human

TSPAN2. This TSPAN2 protein is expected to have a theoretical molecular weight of 8.8 kDa. This TSPAN2 recombinant protein is manufactured in e.coli. The TSPAN2 coding gene included the Tag-Free, which simplifies the detection and purification processes of the recombinant TSPAN2 protein in following stages of expression and purification.

Tetraspanin-2 (TSPAN2) is a transmembrane protein belonging to the tetraspanin superfamily. It is widely expressed in various tissues and is involved in multiple cellular processes. TSPAN2 is known to associate with other membrane proteins, forming molecular complexes called tetraspanin-enriched microdomains (TEMs) or tetraspanin web. These complexes play crucial roles in modulating signal transduction, cell adhesion, and membrane organization. TSPAN2 has been implicated in diverse cellular functions, including immune responses, cell migration, and cancer progression. Its interactions with other tetraspanins and associated proteins contribute to the regulation of intracellular signaling pathways. Understanding the specific roles of TSPAN2 in different contexts, such as immune cell function and cancer biology, is essential for elucidating its potential as a therapeutic target and its broader implications in cellular physiology.

Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.