



Recombinant Human Tenascin-X (TNXB)

Product Code	CSB-EP024036HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P22105
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>MRLSWSVAQGPFDSEVQYEDTNGQPQALLVDGDQSKILISGLEPSTPYRFLLYGLHEGK</p> <p>RLGPLSAEGTTGLAPAGQTSEESRPRLSQLSVTDVTTSSLRLNWEAPPGAFDSFLLRFGV</p> <p>PSPSTLEPHRPLLQRELMVPGTRHSAVLRDLRSGTLYSLTYGLRGPBKADSIQGTART</p> <p>LSPVLESPRDLQFSEIRETSKVNWMPPPSRADSFKVSQYLADGGEPQSVQVDGQARTQK</p> <p>LQGLIPGARYEVTVSVRGFESEPLTGFLTTPDGPTQLRALNLTEGFAVLHWKPPQNP</p> <p>VDTYDVQVTAPGAPPLQAETPGSAVDYPLHDLVLHTNYTATVRGLRGPNTLSPASITFTT</p> <p>GLEAPRDLEAKEVTPRTALLTWTEPPVRPAGYLLSFHTPGGQNEILLPGGITSHQLLGL</p> <p>FPSTSYNARLQAMWGQSLPPVSTSTFTTGGLRIPFRDCGEEMQNGAGASRTSTIFLNGN</p> <p>RERPLNVFCDMETDGGGWLVFQRRMDGQDFWRDWEDYAHGFGNISGEFWLGNEALHSLT</p> <p>QAGDYSMRVDLRAGDEAVFAQYDSFHVDSAAEYRLHLEGYHGTTAGDSMSYHSGSVFSAR</p> <p>DRDPNSLLISCAVSYRGAWWYRNCHYANLNGLYGSTVDHQGVSWYHWKGF EFSVPFTEMK LRPRNFRSPAGGG</p>
Source	E.coli
Target Names	TNXB
Protein Names	Recommended name: Tenascin-X Short name= TN-X Alternative name(s): Hexabrachion-like protein
Expression Region	1-673
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein of Isoform 2
Target Details	This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The tenascins have anti-adhesive effects, as opposed to fibronectin which is adhesive. This protein is thought to function in matrix



maturation during wound healing, and its deficiency has been associated with the connective tissue disorder Ehlers-Danlos syndrome. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. It is one of four genes in this cluster which have been duplicated. The duplicated copy of this gene is incomplete and is a pseudogene which is transcribed but does not encode a protein. The structure of this gene is unusual in that it overlaps the CREBL1 and CYP21A2 genes at its 5 and 3 ends, respectively. Multiple transcript variants encoding different isoforms have been found for this gene.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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.