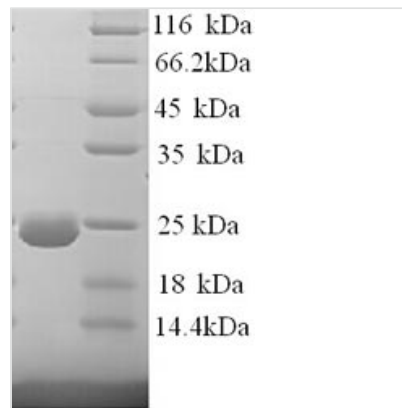




# Recombinant Human Dystonin (DST), partial

<b>Product Code</b>	CSB-YP821036HU
<b>Relevance</b>	Cytoskeletal linker protein. Acts as an integrator of intermediate filaments, actin and microtubule cytoskeleton networks. Required for anchoring either intermediate filaments to the actin cytoskeleton in neural and muscle cells or keratin-containing intermediate filaments to hidesmosomes in epithelial cells. The proteins may self-aggregate to form filaments or a two-dimensional mesh. Isoform 3: plays a structural role in the assbly of hidesmosomes of epithelial cells; anchors keratin-containing intermediate filaments to the inner plaque of hidesmosomes. Required for the regulation of keratinocyte polarity and motility; mediates integrin ITGB4 regulation of RAC1 activity. Isoform 6: required for bundling actin filaments around the nucleus. Isoform 7: regulates the organization and stability of the microtubule network of sensory neurons to allow axonal transport.
<b>Abbreviation</b>	Recombinant Human DST protein, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q03001
<b>Alias</b>	230 kDa bullous pemphigoid antigen230/240 kDa bullous pemphigoid antigen;Bullous pemphigoid antigen 1 ;BPA ;Bullous pemphigoid antigenDystonia musculorum proteinHemidesmosomal plaque protein
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MHSSSYSYRSSDSVFSNTTSTRTSLDSNENLLLHCGPTLINSICISFGSESF HDGHRLEMLQQIANRVQRDSVICEDKLLLAGNALQSDSKRLESGVQFQNEAEIAGYI LECENLLRQHVIDVQILIDGKYYQADQLVQRVAKLRDEIMALRNECSSVYSKGR ILTTEQTKLMISGITQSLNSGFAQTLHPSLTSG
<b>Research Area</b>	Signal Transduction
<b>Source</b>	Yeast
<b>Target Names</b>	DST
<b>Expression Region</b>	1-195aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	23.7kDa
<b>Protein Length</b>	Partial of Isoform 3

**Image**

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

**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**

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