

Recombinant Human DST Protein (1-195 aa), His-tagged

Cat. No. DST-1693H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DST Protein (1-195 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	1-195 aa
Description	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 hivesmosomes 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 hivesmosomes of epithelial cells; anchors keratin-containing intermediate filaments to the inner plaque of hivesmosomes. 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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	23.7 kDa

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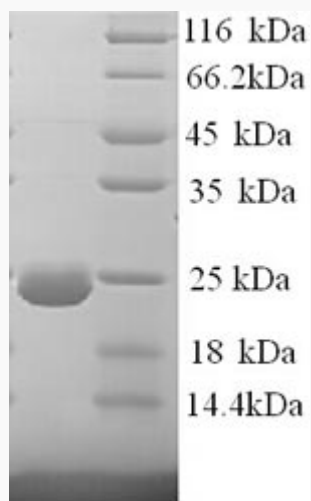
 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MHSSSYSYRSSDSVFSNTTSTRTSLDSNENLLL VHCGPTLINS CISFGSESFDGHRLEMLQQIANRVQRDSVICEDKLILAGNALQSDSKRLESGVQFQNEAEIAGYILECENLLRQHVIDVQILIDGKYYQADQLVQRVAKLRDEIMALRNECSSVYSKGRILTTEQTKLMI SGITQSLNSGFAQTLHPSLTSG
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	DST dystonin [Homo sapiens]
Official Symbol	DST
Synonyms	DST; dystonin; BP240; BPA; CATX 15; FLJ13425; FLJ21489; FLJ30627; FLJ32235; KIAA0728; MACF2; DT; DMH; BPAG1; CATX15; CATX-15; D6S1101; FLJ46791; KIAA0465; KIAA1470; DKFZp564B2416;
Gene ID	667
mRNA Refseq	NM_001723

Protein Refseq NP_001714

MIM 113810

UniProt ID Q03001



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

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