Recombinant Human DST

Cat. No. DST-26933TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Dystonin with N-terminal proprietary tag. Predicted MW 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a member of the plakin protein family of adhesion junction plaque proteins. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the full-length nature of some variants has not been defined. It has been reported that some isoforms are expressed in neural and muscle tissue, anchoring neural intermediate filaments to the actin cytoskeleton, and some isoforms are expressed in epithelial tissue, anchoring keratin-containing intermediate filaments to hemidesmosomes. Consistent with the expression, mice defective for this gene show skin blistering and neurodegeneration.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EDKLILAGNALQSDSKRLESGVQFQNEAEIAGYILECENLLRQHVIDVQILIDGKYYQA DQLVQRVAKLRDEIMALRNECSSVYSKGRILTTEQTKLMIS

GENE INFORMATION

Gene Name	DST dystonin [Homo sapiens]
Official Symbol	DST
Synonyms	DST; dystonin; BPAG1, bullous pemphigoid antigen 1, 230/240kDa; bullous pemphigoid antigen 1; BP240; BPA; CATX 15; FLJ13425; FLJ21489; FLJ30627; FLJ32235; KIAA0728; MACF2;
Gene ID	667
mRNA Refseq	NM_001723
Protein Refseq	NP_001714
MIM	113810
Uniprot ID	Q03001
Chromosome Location	6p12.1
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-

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	specific biosystem; Type I hemidesmosome assembly, organism-specific biosystem;
Function	actin binding; calcium ion binding; integrin binding; microtubule plus-end binding; protein C-terminus binding;

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