

## **PRODUCT INFORMATION**

Target	DSU
Synonyms	DSU; WDT2
Description	Recombinant protein of human melanoregulin (MREG)
Delivery	2-3 weeks
Uniprot ID	Q8N565
<b>Expression Host</b>	HEK293T
Tag	C-Myc/DDK
Molecular Characterization	N/A
Molecular Weight	24.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Formulation & Reconstitution	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Storage & Shipping	Store at -80°C.
Background	that couples cytoplasmic vesicles to the transport machinery. Plays a role in hair pigmentation, a process that involves shedding of melanosome- containing vesicles from melanocytes, followed by phagocytosis of the melanosome-containing vesicles by keratinocytes. Functions on melanosomes as receptor for RILP and the complex formed by RILP and DCTN1, and thereby contributes to retrograde melanosome transport from the cell periphery to the center. Overexpression causes accumulation of late endosomes and/or lysosomes at the microtubule organising center (MTOC) at the center of the cell. Probably binds cholesterol and requires the presence of cholesterol in membranes to function in microtubule-mediated retrograde organelle transport. Binds phosphatidylinositol 3- phosphate, phosphatidylinositol 3- phosphatidylinositol 3,5-bisphosphate or phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 4,5-bisphosphate or photoreceptor rod cells (By similarity).[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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