

## Product datasheet for **TP500298**

### Bloc1s2 (NM\_028607) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse biogenesis of lysosomal organelles complex-1, subunit 2 (Bloc1s2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200298 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MFSKMATYLTGELTATSEDYKLENNMNKLTSLKYLEMKDIAINISRNKDLNPKYAELQPYLDQINMIEE QVAALEQAAYKLDAYSKKLEAKYKKLEKR
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	11.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_082883</a>
Locus ID:	73689
UniProt ID:	<a href="#">Q9CWG9</a>
RefSeq Size:	910
Cytogenetics:	19 C3
RefSeq ORF:	300



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**Synonyms:** 2410089B13Rik; Bloc1s2a; BLOS2

**Summary:** Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes (By similarity). In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals (PubMed:16760431, PubMed:21998198). The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension (PubMed:19546860). As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor (By similarity).[UniProtKB/Swiss-Prot Function]