

## Product datasheet for TP321922L

### Muted (BLOC1S5) (NM\_201280) Human Recombinant Protein

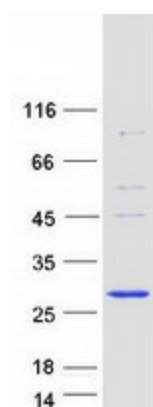
#### Product data:

|                                          |                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                            | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                        |
| Description:                             | Recombinant protein of human muted homolog (mouse) (MUTED), 1 mg                                                                                                                                                                                                                                                                                                            |
| Species:                                 | Human                                                                                                                                                                                                                                                                                                                                                                       |
| Expression Host:                         | HEK293T                                                                                                                                                                                                                                                                                                                                                                     |
| Expression cDNA Clone<br>or AA Sequence: | >RC221922 protein sequence<br><div> <div>Red</div>=Cloning site <div>Green</div>=Tags(s) </div> <p>MSGGGTETPVGCEAAPGGGSKKRDSLGTAGSAHLIIKDLGEIHSRLLDHRPVIQGETRYFVKEFEERGL<br/> REMRVLENLKNMIIHETNEHTLPKCRDTMRDSLSQVLQRLQAANDSVCRLLQREQERKKIHSDDLVAEK<br/> Q<br/> HMLQWDNFMKEQPNKRAEVDEEHRKAMERLKEQYAEMEKDLAKFSTF</p> <div> <div>TR</div>TRPLEQKLISEEDLAANDILDYKDDDDKV </div> |
| Tag:                                     | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                   |
| Predicted MW:                            | 21.4 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                                                                                                                                                                                                                                                                                                                        |
| Preparation:                             | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                                                                                                                                                                                                                                            |
| 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.                                                                                                                                                                                                                                                                                                                                                             |
| 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:                                  | <u>NP_958437</u>                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                                | 63915                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt ID:                              | <u>Q8TDH9</u>                                                                                                                                                                                                                                                                                                                                                               |


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|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq Size:  | 2695                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cytogenetics: | 6p24.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RefSeq ORF:   | 561                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Synonyms:     | BLOS5; HPS11; MU; MUTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Summary:      | This gene encodes a component of BLOC-1 (biogenesis of lysosome-related organelles complex 1). Components of this complex are involved in the biogenesis of organelles such as melanosomes and platelet-dense granules. A mouse model for Hermansky-Pudlak Syndrome is mutated in the murine version of this gene. Alternative splicing results in multiple transcript variants. Read-through transcription exists between this gene and the upstream EEF1E1 (eukaryotic translation elongation factor 1 epsilon 1) gene, as well as with the downstream TXNDC5 (thioredoxin domain containing 5) gene. [provided by RefSeq, Dec 2010] |

### Product images:



Coomassie blue staining of purified BLOC1S5 protein (Cat# [TP321922]). The protein was produced from HEK293T cells transfected with BLOC1S5 cDNA clone (Cat# [RC221922]) using MegaTran 2.0 (Cat# [TT210002]).