



# Recombinant Chicken Protein Muted homolog (MUTED)

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| <b>Product Code</b>      | CSB-EP733545CH                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Abbreviation</b>      | MUTED                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                |
| <b>Uniprot No.</b>       | Q5ZK77                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen Species</b> | Gallus gallus (Chicken)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sequence</b>          | MSGAGPASPG RSGSALPLPL PLSLSLTGDR KREVPAAGTL LQPIIKDVGE<br>IYSRLLDHRP VIQGEIRYFV KEFEEKRGLR ELRVLENLKK TIFETNEDIL<br>PKCKQSMHDN LNEVLQRLQA ANDTIHKLQE KEHEKRKIQA DKLMAGEEKR<br>IAQQETFLQE QQSKREEVDE EHRKAMERLK EQYSEMEKEL AKYVSF                                                                                                                                                                                                                  |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target Names</b>      | BLOC1S5                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Names</b>     | Recommended name: Protein Muted homolog                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Expression Region</b> | 1-196                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                               |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Target Details</b>    | 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. Some transcripts of the downstream gene TXNDC5 overlap this gene, but they do not contain an open reading frame for this gene. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                       |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life                                                                                                                                                                                                                 |



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