

Product datasheet for PH303199

COLEC11 (NM_199235) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | COLEC11 MS Standard C13 and N15-labeled recombinant protein (NP_954705) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC203199 |
| Predicted MW: | 29 kDa |
| Protein Sequence: | >RC203199 protein sequence Red=Cloning site Green=Tags(s) MTPALCRSSSLASKGMRRERRETKAPPDGLEESAPREKKQSQPVVVTASDISKRKCTSSFVEMGSQGMGDK GQKGSVGRHGKIGPIGSKGEGDSDIGPPGPNGEPGLPCECSQLRKAIGEMDNQVSQLTSELKFIKNAV AGVRETESKIYLLVKEEKRYADAQLSCQGRGGTLSMPKDEAANGLMAAYLAQAGLARVFIGINDLEKEGA FVYSDHSPMRTFNKWRSGEPNNAYDEEDCVEMVASGGWNDVACHTTMYFMCEFDKENM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_954705 |
| RefSeq Size: | 1784 |
| RefSeq ORF: | 804 |
| Synonyms: | 3MC2; CL-11; CL-K1-I; CL-K1-II; CL-K1-IIa; CL-K1-IIb; CLK1 |
| Locus ID: | 78989 |
| UniProt ID: | Q9BWP8 |

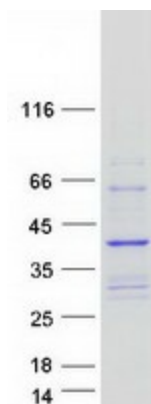


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Cytogenetics: 2p25.3

Summary: This gene encodes a member of the collectin family of C-type lectins that possess collagen-like sequences and carbohydrate recognition domains. Collectins are secreted proteins that play important roles in the innate immune system by binding to carbohydrate antigens on microorganisms, facilitating their recognition and removal. The encoded protein binds to multiple sugars with a preference for fucose and mannose. Mutations in this gene are a cause of 3MC syndrome-2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

Product images:



Coomassie blue staining of purified COLEC11 protein (Cat# [TP303199]). The protein was produced from HEK293T cells transfected with COLEC11 cDNA clone (Cat# [RC203199]) using MegaTran 2.0 (Cat# [TT210002]).