



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### CD53 (Human) Recombinant Protein

**Catalog Number:** H00000963-G01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CD53 full-length ORF (NP\_000551.1) recombinant protein without tag.

**Sequence:**

MGMSSLKLLKYVLFNLLFWICGCCILGFGIYLLIHNN  
FGVLFHNLPSLTLGNVVFVIVGSIIMVVAFLGCMGSIKEN  
KCLLMSFFILLIILLAEVTLAILLFVYEQKLNEYVAKGLT  
DSIHRYHSDNSTKAAWDSIQSFLQCCGINGTSDWTSG  
PPASCPSDRKVEGCYAKARLWFHSNFLYIGIITCVCVI  
EVLGMSFALTLNCQIDKTSQTIGL

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 24.3

**Applications:** AP

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Preparation Method:** [in vitro wheat germ expression system with proprietary liposome technology](#)

**Purification:** None

**Recommend Usage:** Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

**Storage Buffer:** 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 963

**Gene Symbol:** CD53

**Gene Alias:** MOX44, TSPAN25

**Gene Summary:** The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

**References:**

1. The tetraspanin web revisited by super-resolution microscopy. Zuidschewoude M, Gottfert F, Dunlock VM, Figdor CG, van den Bogaart G, Spriel AB. Sci Rep. 2015 Jul 17;5:12201.