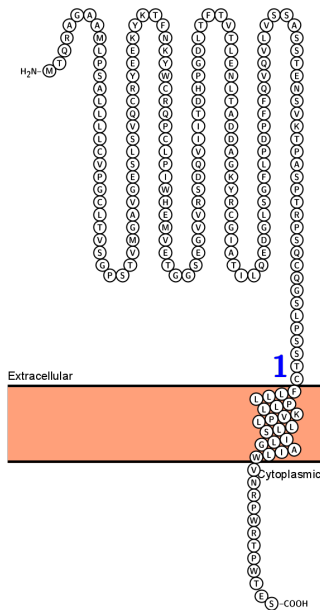


# Protein CD300H

Organism: Homo sapiens (Human) | Gene names: CD300H



Entry: A0A0K2S4Q6

Mass: 21.806 Da

Transmembrane: 1

Subcellular location: [Isoform 1]: Membrane

{ECO:0000255}, Single-pass type I membrane protein

{ECO:0000255}, [Isoform 2]: Secreted

{ECO:0000269|PubMed:26221034}.

Cofactor: -

Extinction coefficient: 1.557

Isoelectric Point: 5.37

PubMed ID: 26221034, 16625196

Family: -

## Function:

May play an important role in innate immunity by mediating a signal for the production of a neutrophil chemoattractant. {ECO:0000269|PubMed:26221034}.

## Data from experiment(s): Hek293 membrane pellets

DIBMA 10	No data	DIBMA 12	No data
DIBMA Glycerol	No data	DIBMA Glucosamine	No data
Amphipol 17	No data	Amphipol 18	No data
AASTY 6-45	No data	AASTY 11-45	No data
AASTY 6-50	No data	AASTY 11-50	No data
AASTY 6- 55	No data	AASTY 11- 55	No data
SMALP 502-E	No data	SMALP 140-I	No data
SMALP 300	No data	SMALP 200	No data
SMALP 140	No data	DDM	No data
DM	No data	LMNG	No data
Fos-12	No data	Digitonin-A	No data
RIPA	No data		

Data from experiment(s): Hek293 membrane pellets 1 %

DIBMA 10	No data	DIBMA 12	No data
DIBMA Glycerol	No data	DIBMA Glucosamine	No data
Amphipol 17	No data	Amphipol 18	No data
AASTY 6-45	No data	AASTY 11-45	No data
AASTY 6-50	No data	AASTY 11-50	No data
AASTY 6- 55	No data	AASTY 11- 55	No data
SMALP 502-E	No data	SMALP 140-I	No data
SMALP 300	No data	SMALP 200	No data
SMALP 140	No data	DDM	No data
DM	No data	LMNG	No data
Fos-12	No data	Digitonin-A	No data
RIPA	No data		

#### Involvement in disease:

-

#### Binding site:

-

#### Tissue specificity:

Expressed on CD16+ monocytes and myeloid dendritic cells. By contrast, is not expressed on lymphocytes or granulocytes. {ECO:0000269|PubMed:26221034}.

#### 3D (X-ray crystallography):

-

#### Pharmaceutical use:

-

#### AS sequence:

MTQRAGAAMLPSALLLLCVPGLTVSGPSTVMGAVGESLSVQCRYEEKYKTFNKYWCRQPCLPIWHEMVETGGSEGVRSDQ  
VIITDHPGDLTFTVTLENLTADDAGKYRCGIATILQEDGLSGFLPDPFFQVQVLVSSASSTENSVKTPASPTRPSQCQGS LPSSTCF  
LLLPLLKVPLLLSILGAILWVNRPWRTPTWES

**Creditnotes:**

The protein visualizations are generated with the help of Protter:

Omasits, U., Ahrens, C.H., MÃ¼ller, S., Wollscheid, B. "Protter: interactive protein feature visualization and integration with experimental proteomic data". *Bioinformatics*. 2014 Mar 15; **30**(6):884-6. doi: 10.1093/bioinformatics/btt607.

IP and extinction coefficients are gathered from Protparam by ExPASy:

Gasteiger, E., Hoogland, C., Gattiker, A., Duvaud, S., Wilkins, M.R., Appel, R.D., Bairoch, A. "Protein Identification and Analysis Tools on the ExPASy Server". (In) *John M. Walker (ed): The Proteomics Protocols Handbook*, Humana Press (2005). pp. 571-607

The basic knowledge is found on UniProt:

The UniProt Consortium. "UniProt: the universal protein knowledgebase in 2021". *Nucleic Acids Res.* **49**:D1 (2021)

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